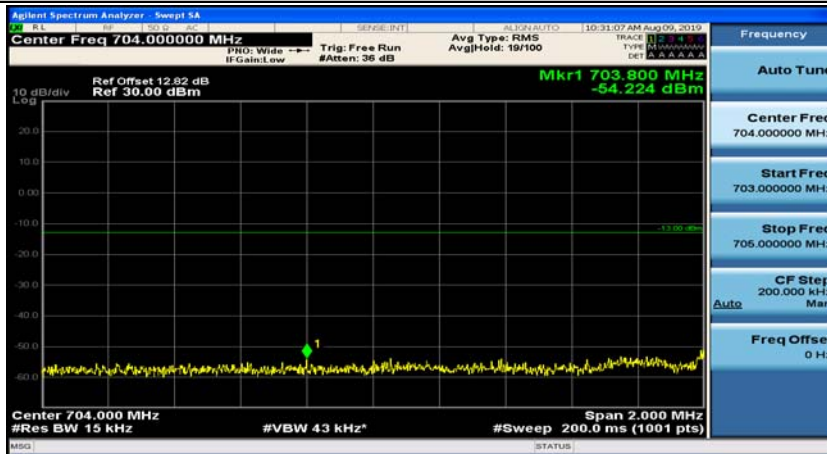


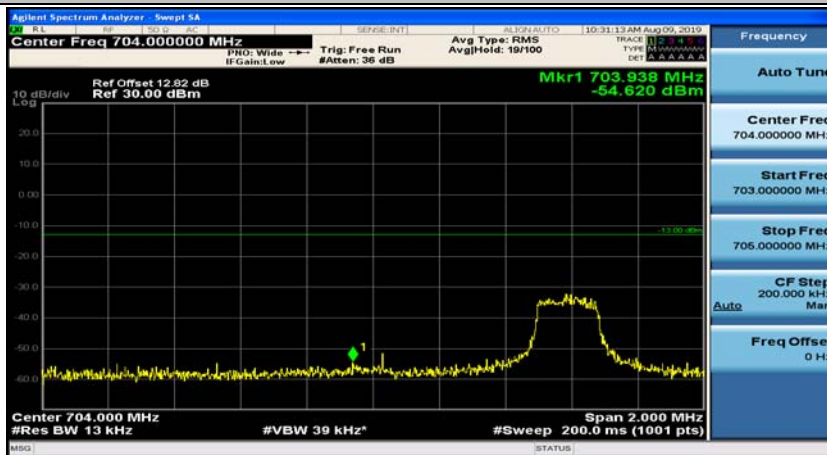
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#24



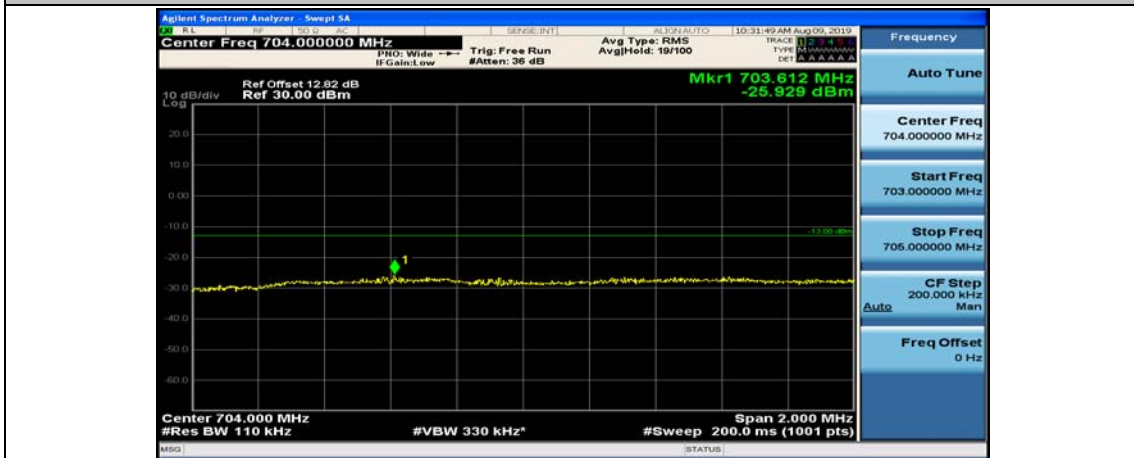
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#49



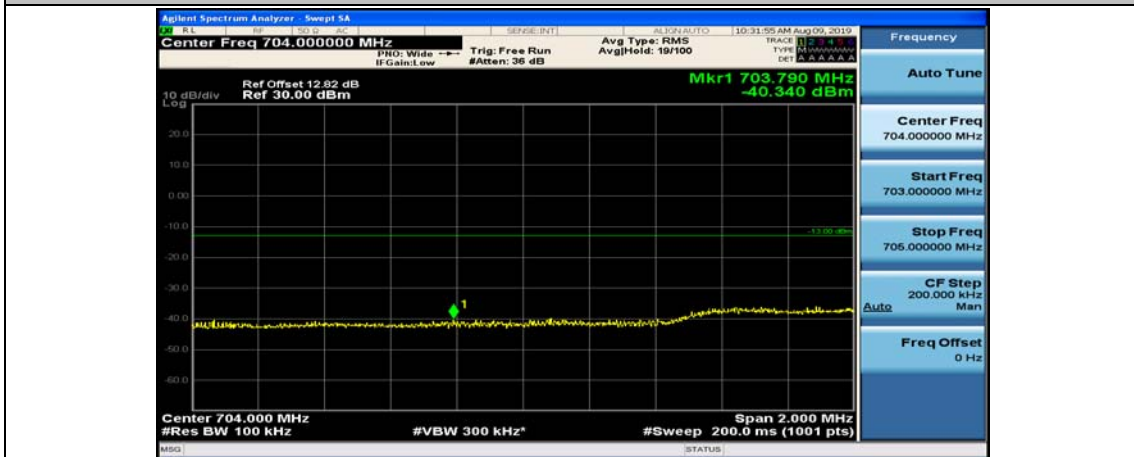
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#0



Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#12



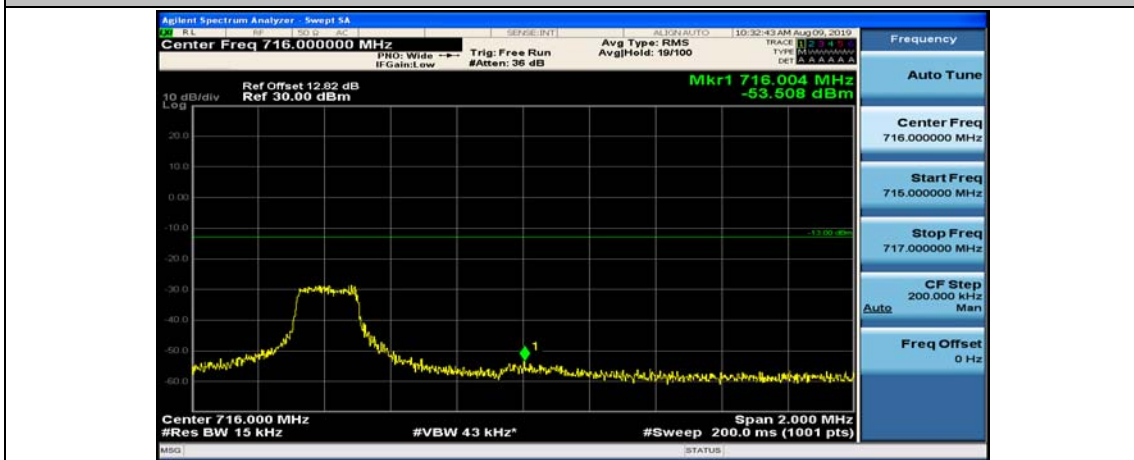
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_25RB#25



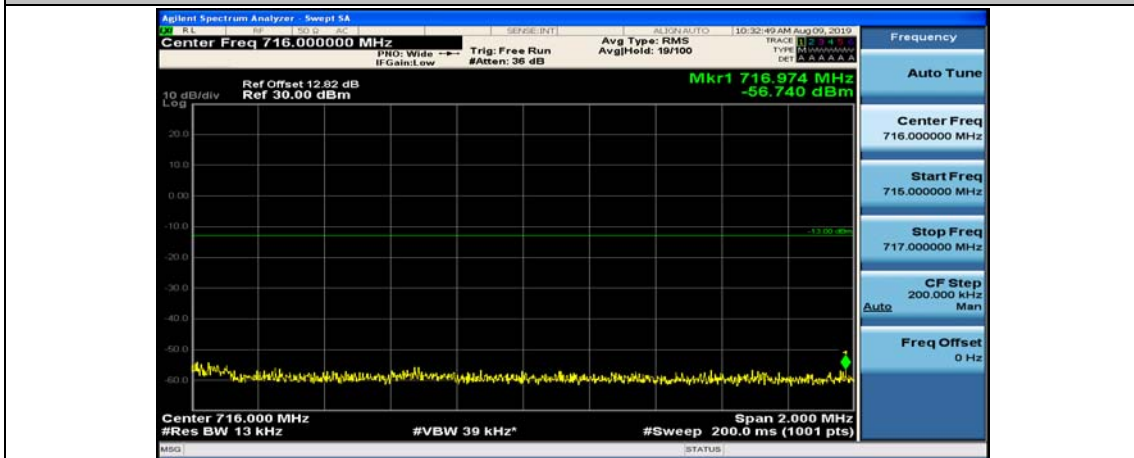
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_50RB#0



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



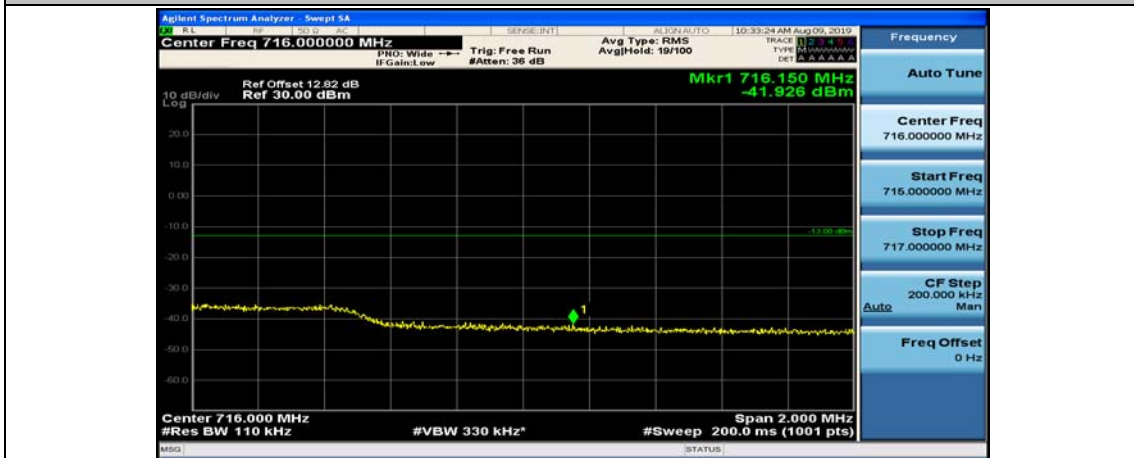
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24



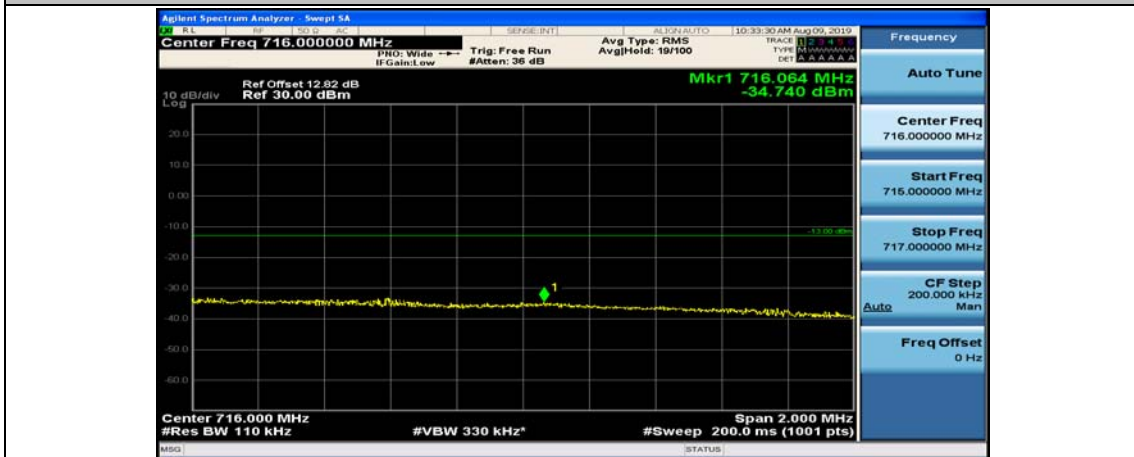
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#49



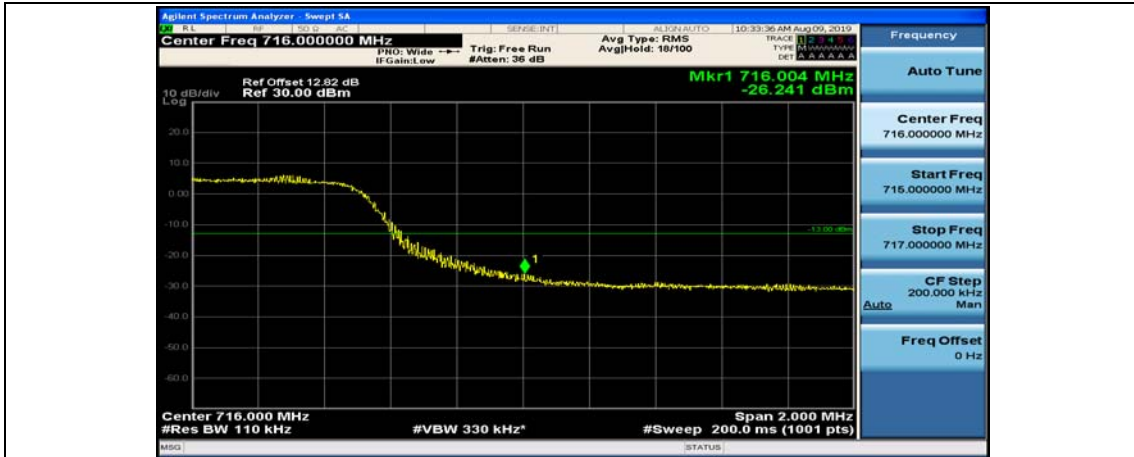
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#0



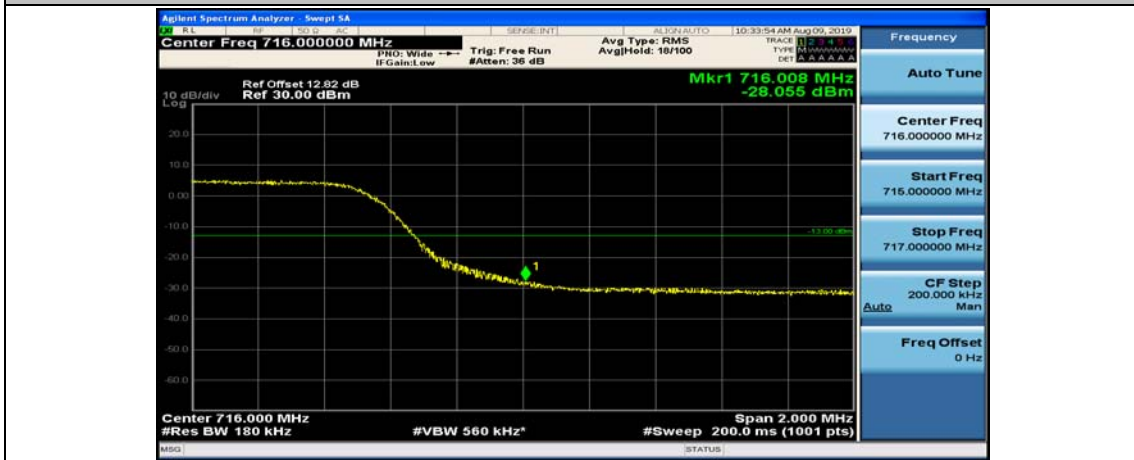
Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#12



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_25RB#25



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_50RB#0

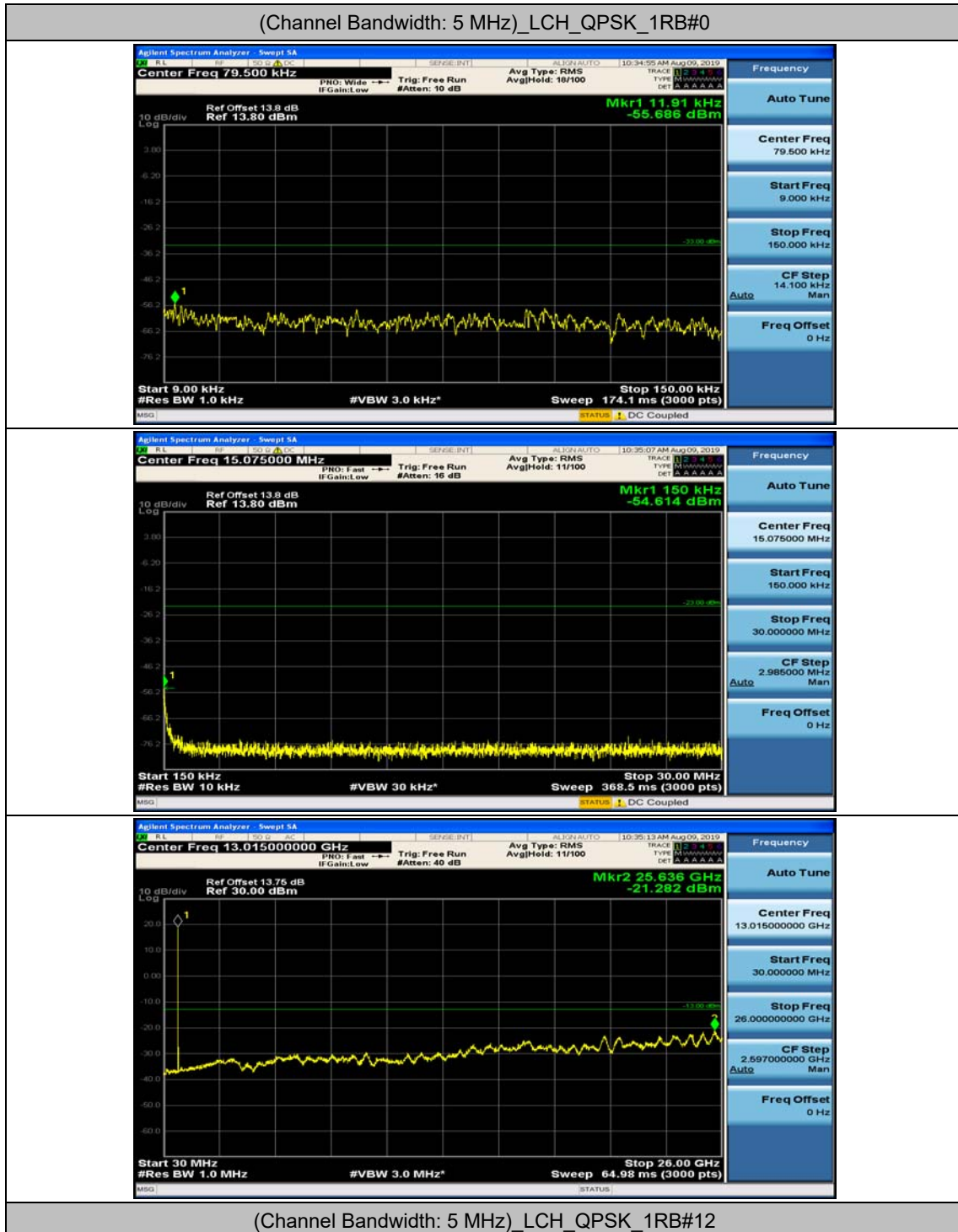


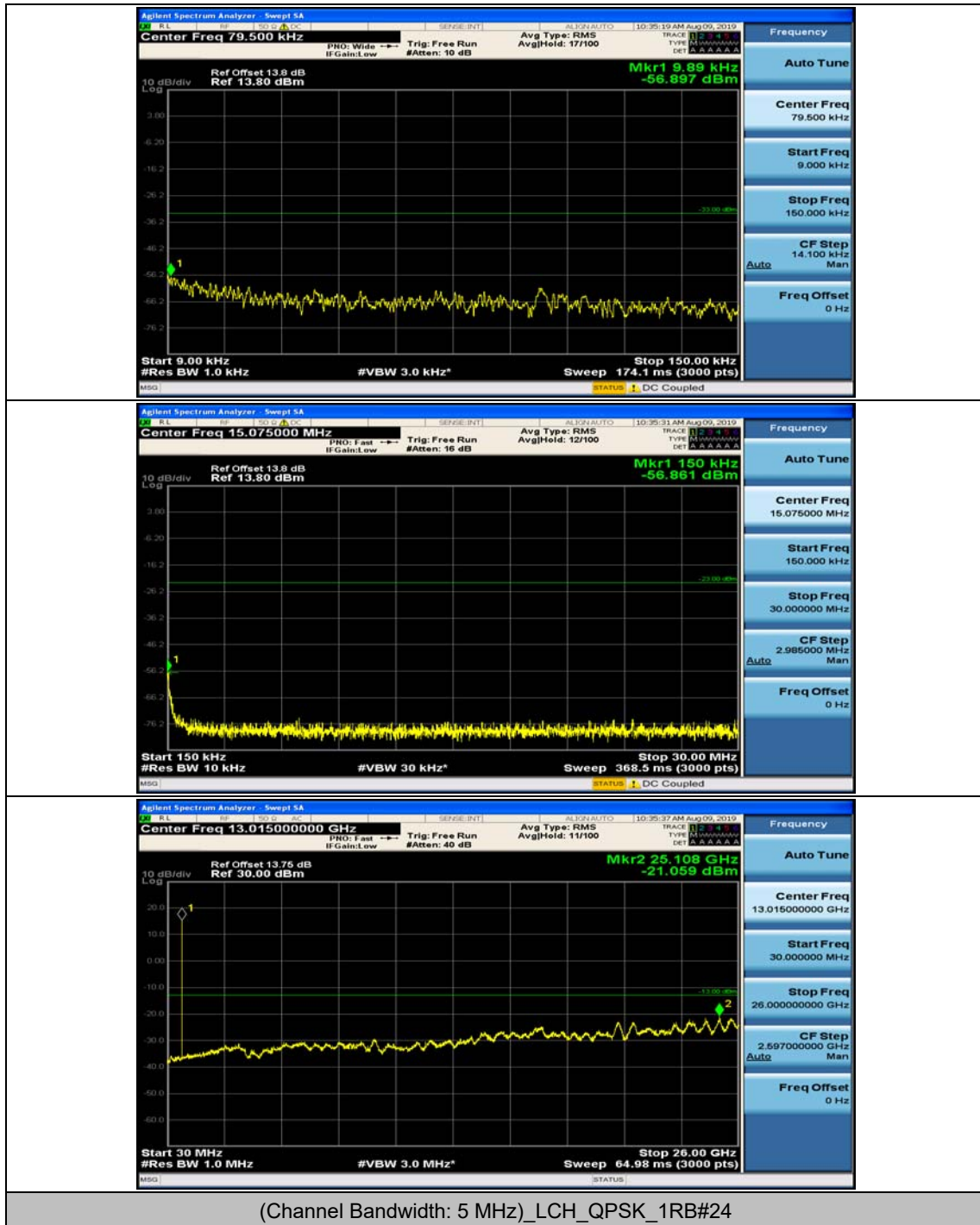


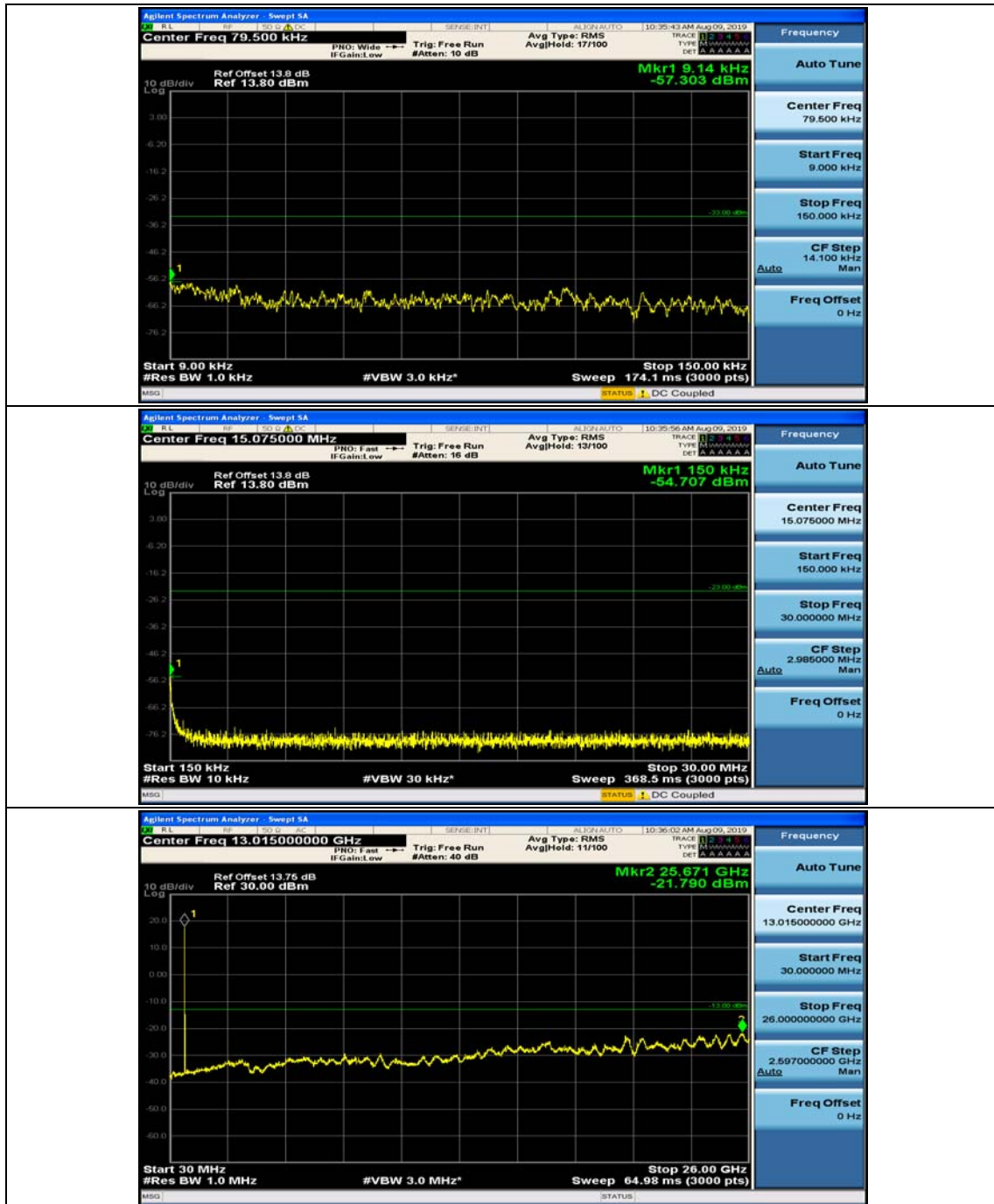
## Appendix E: Conducted Spurious Emission

### Test Graphs

Channel Bandwidth: 5 MHz

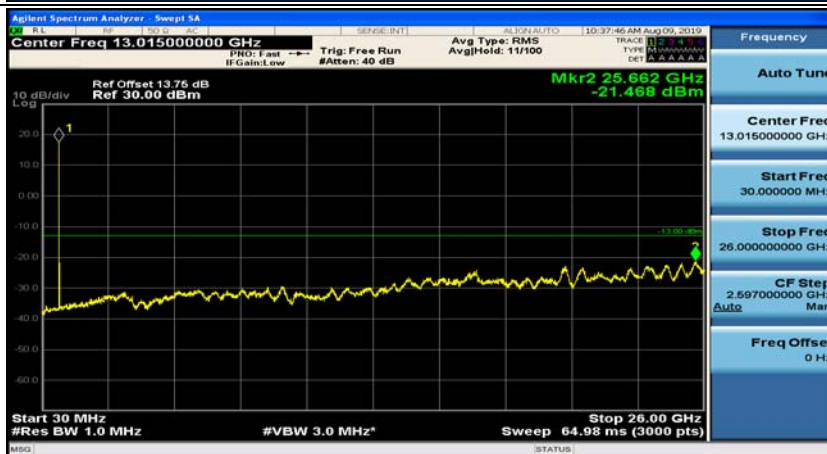
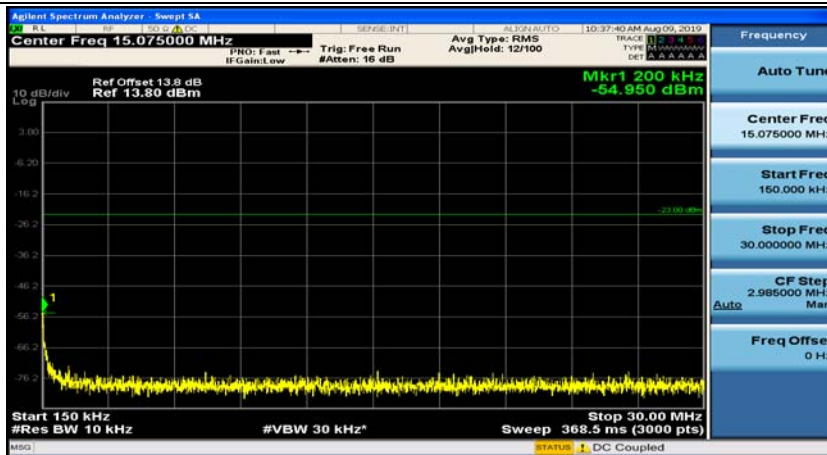




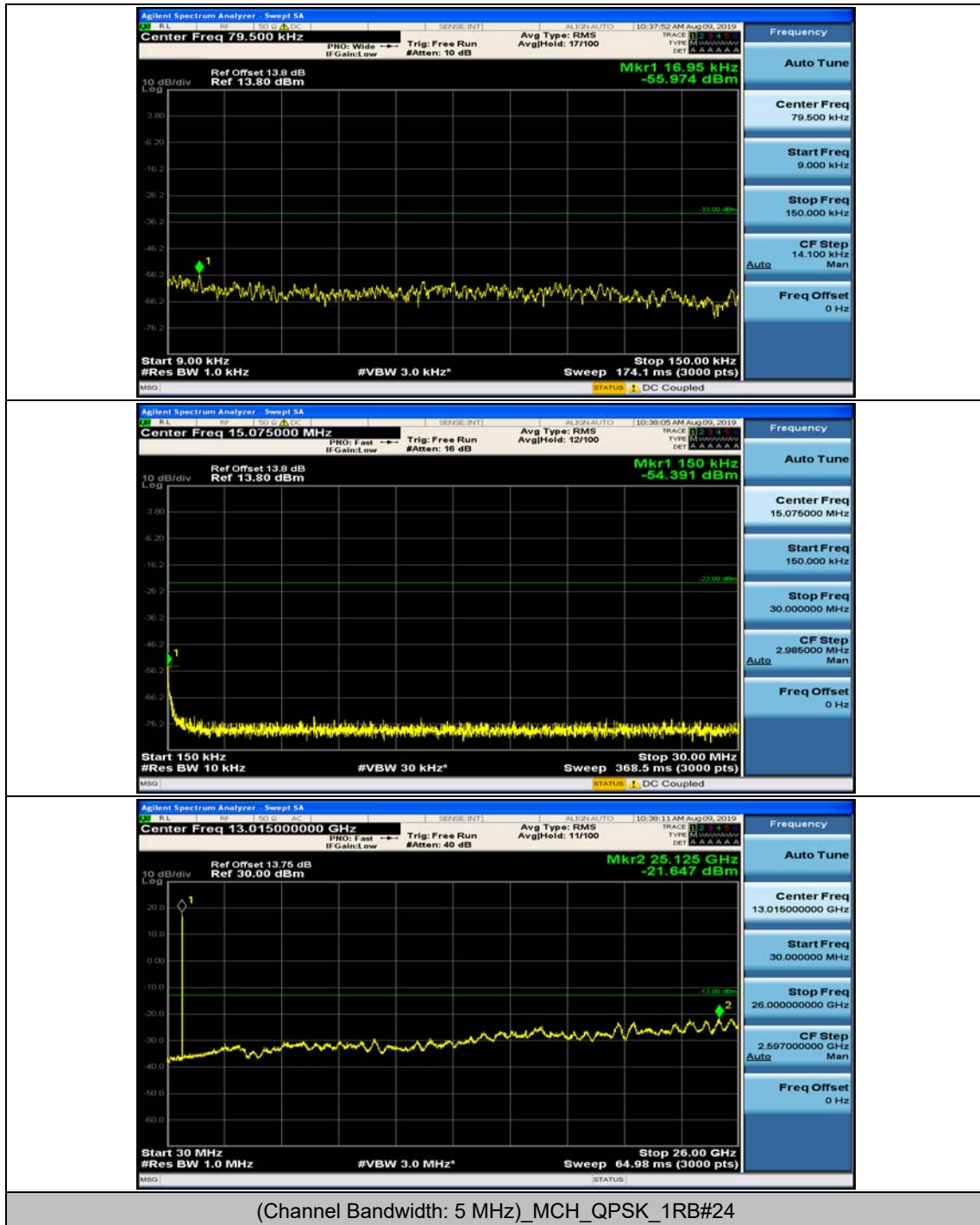


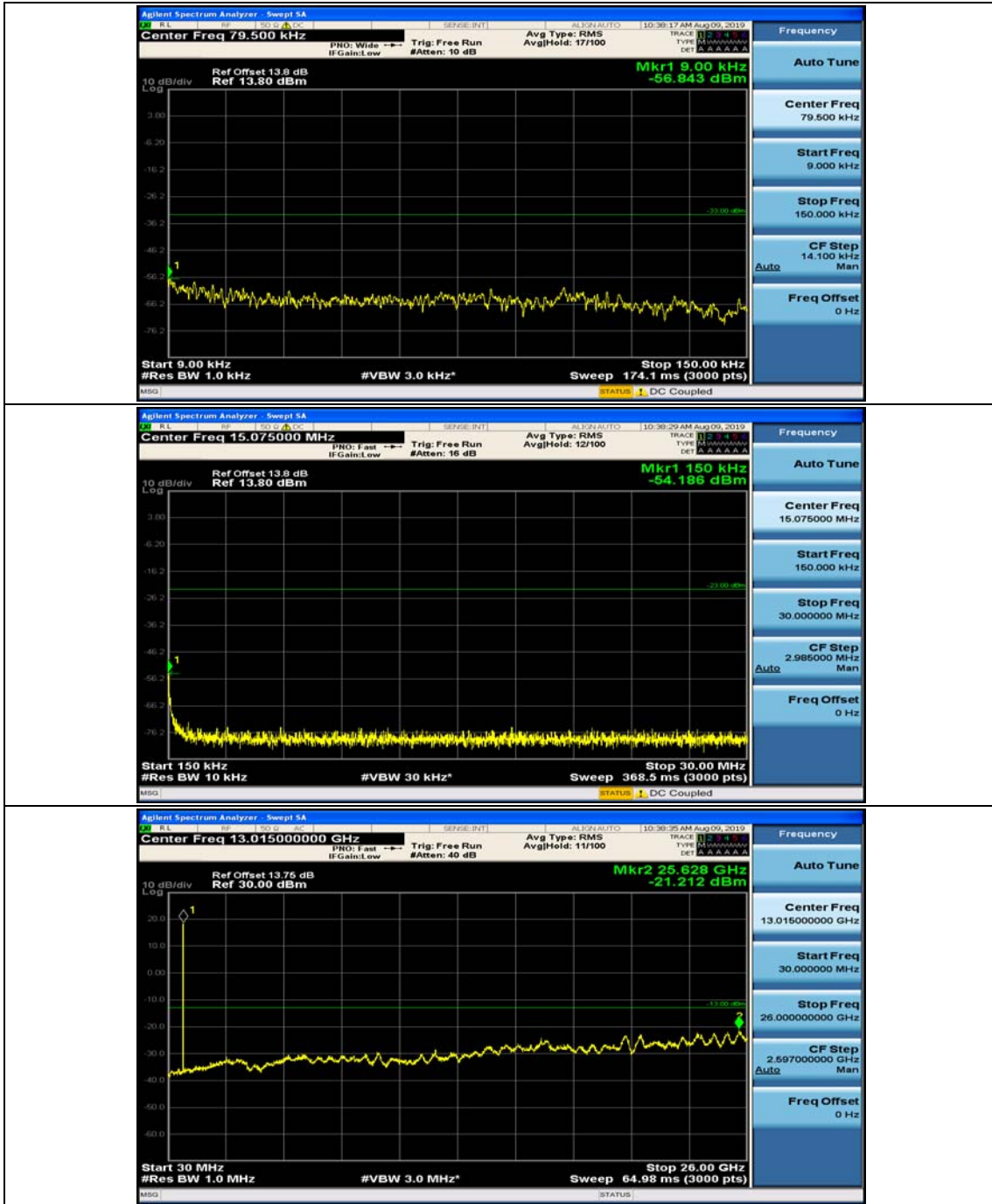


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0

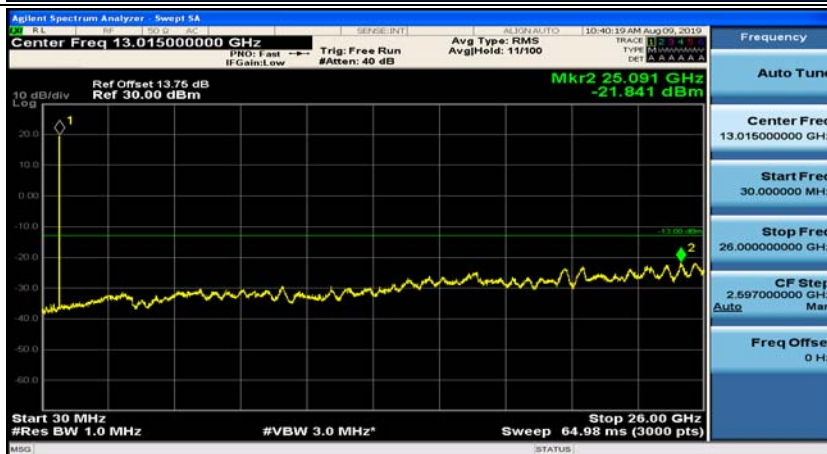
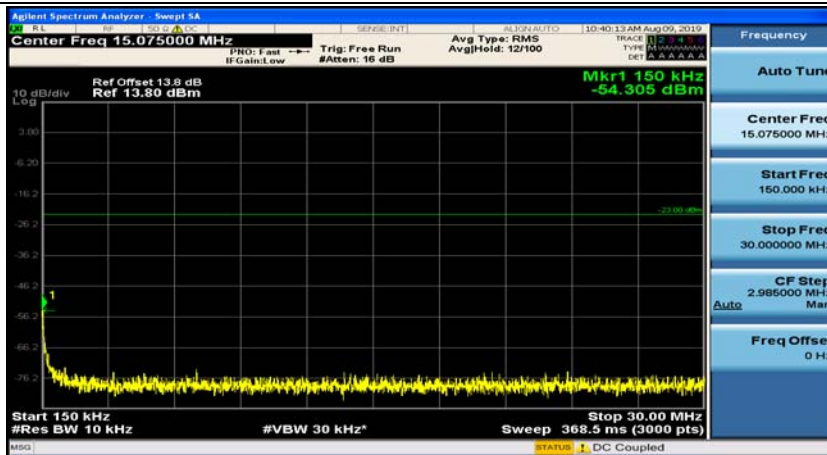
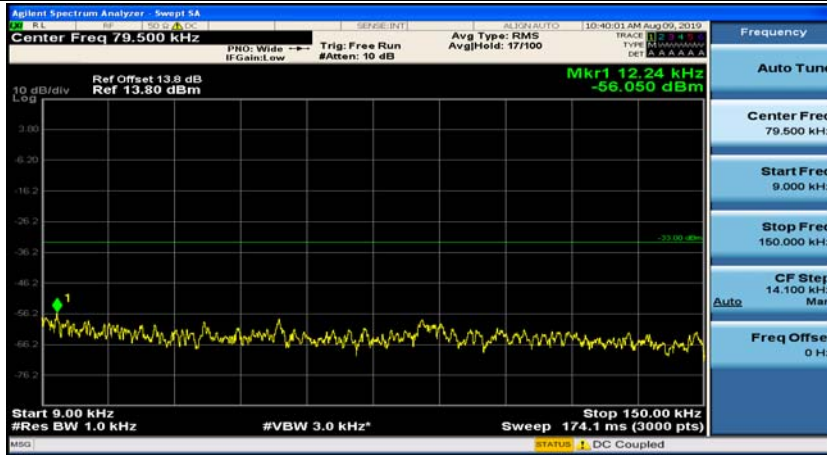


(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12

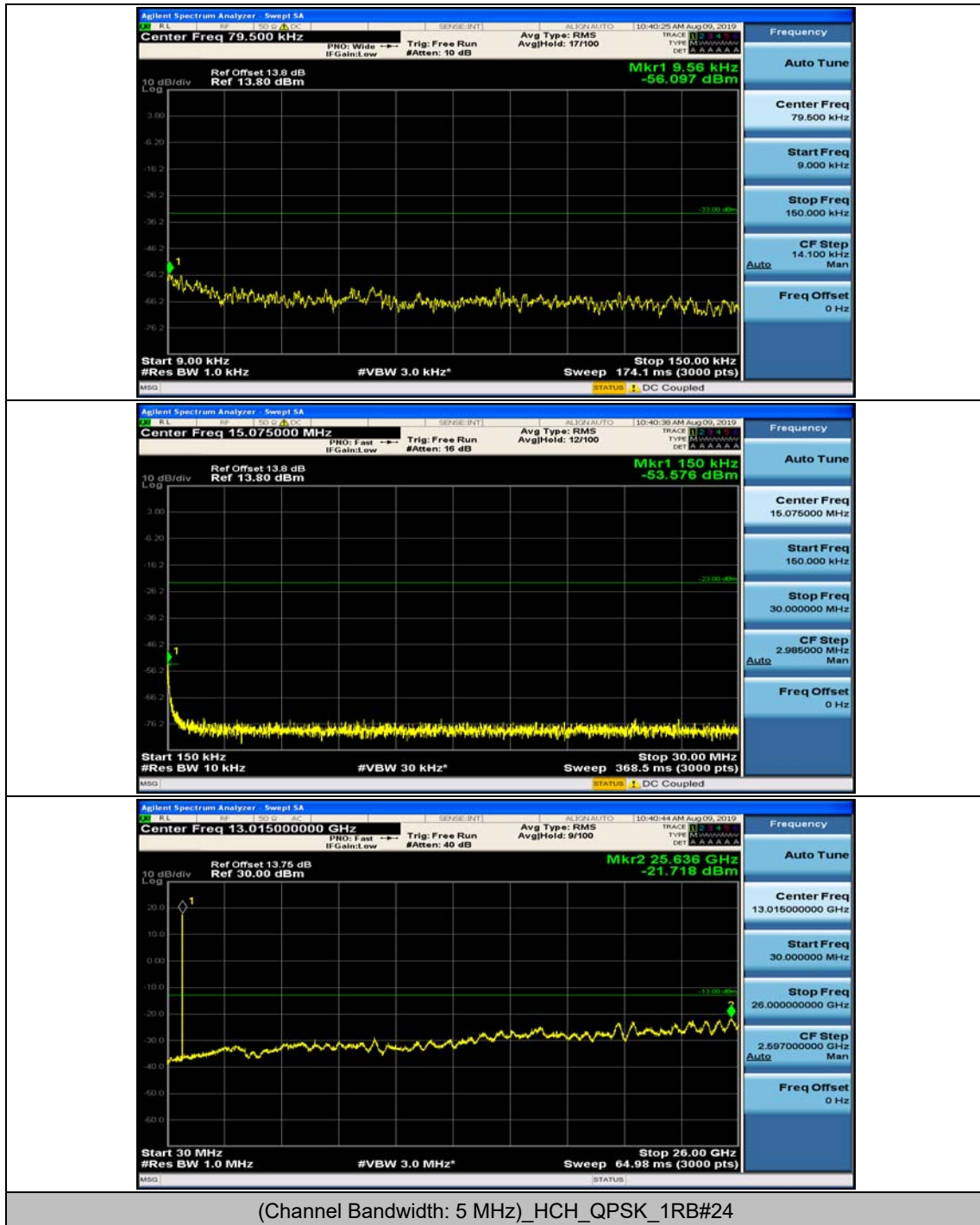




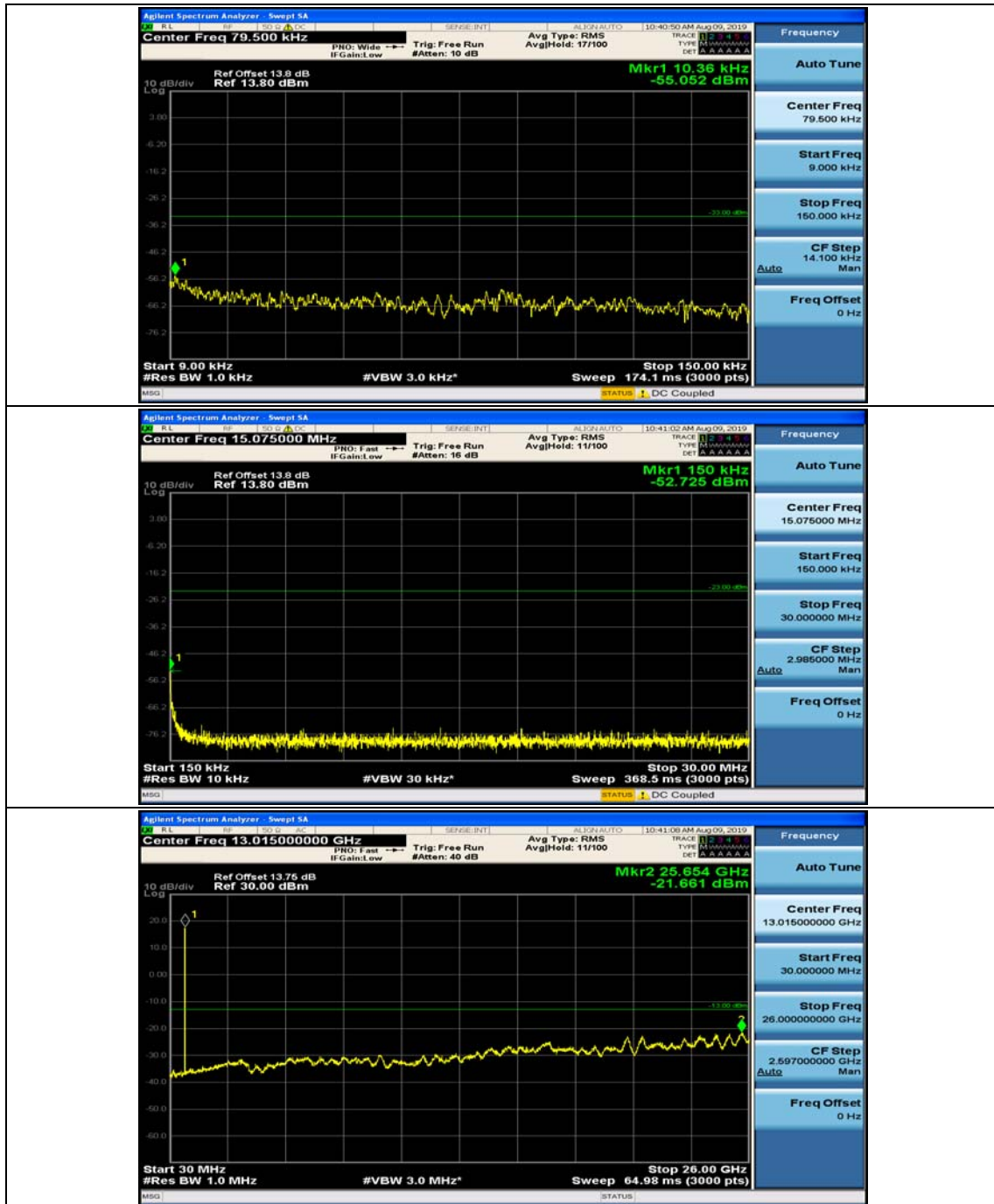
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



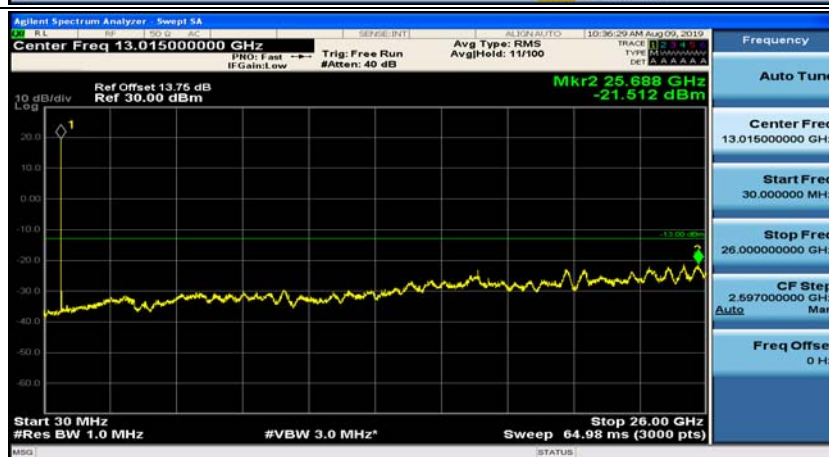
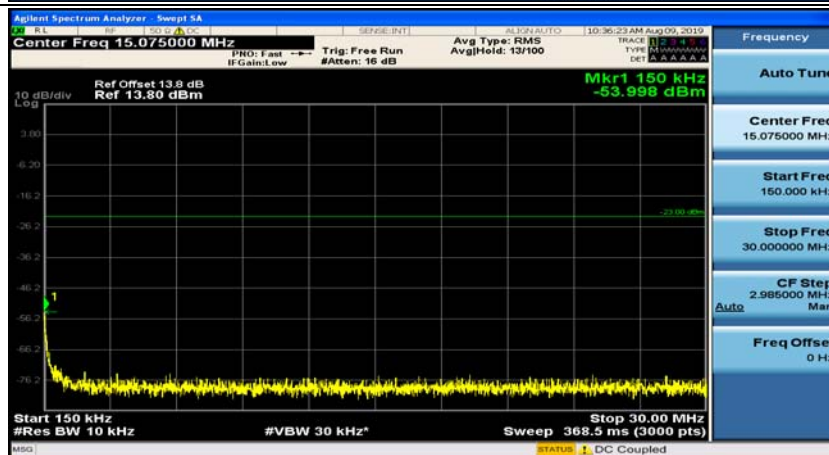
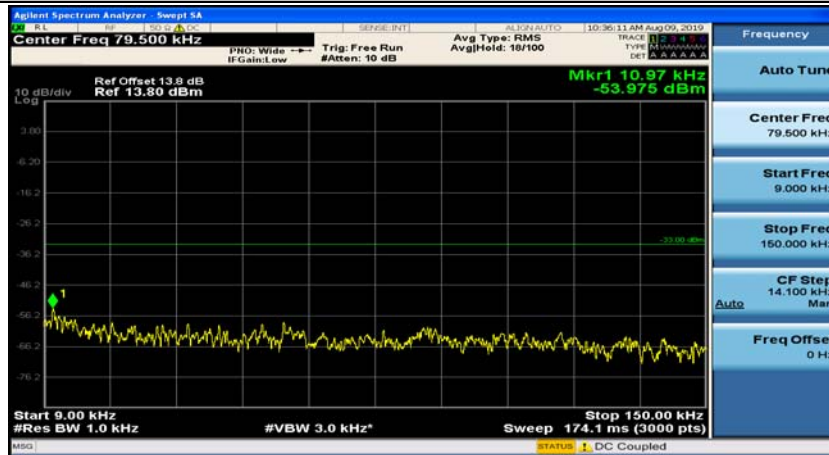
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



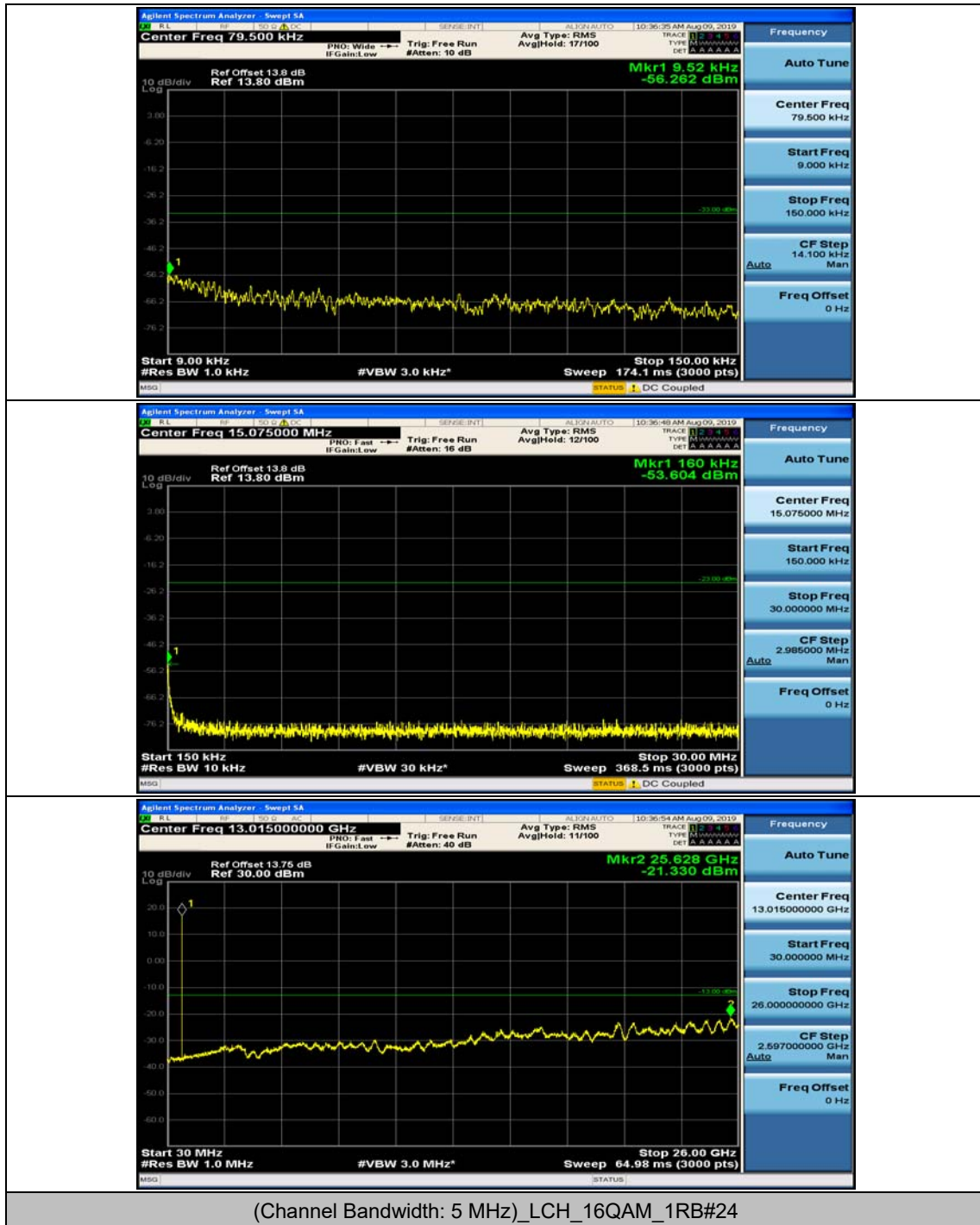


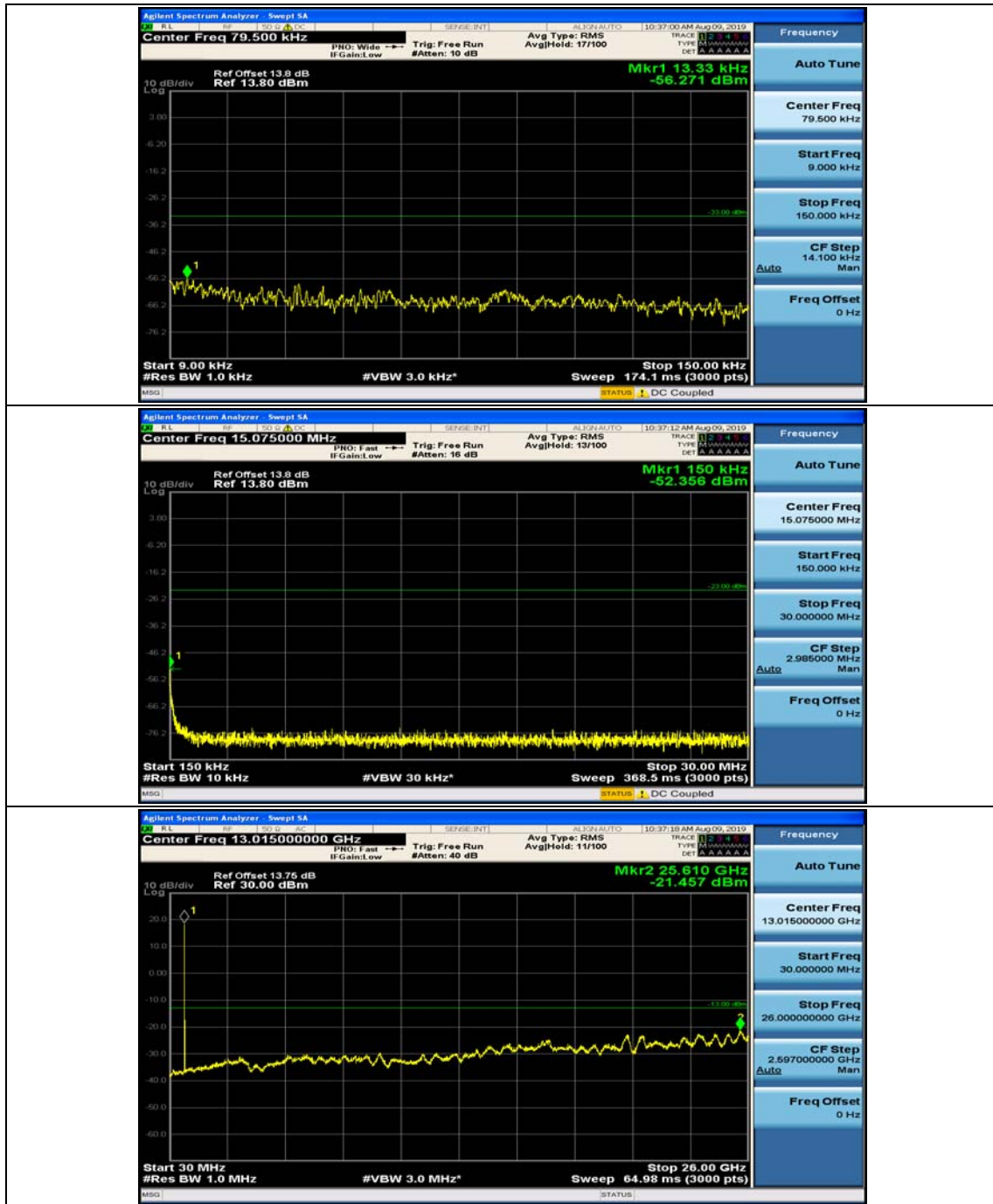


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0

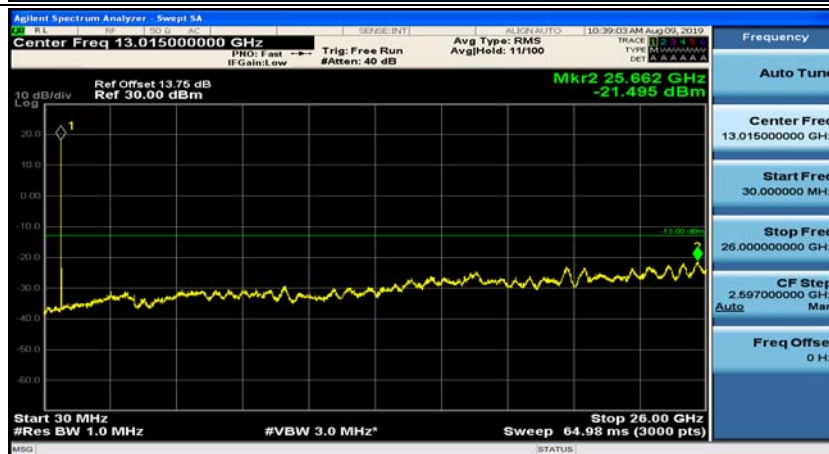
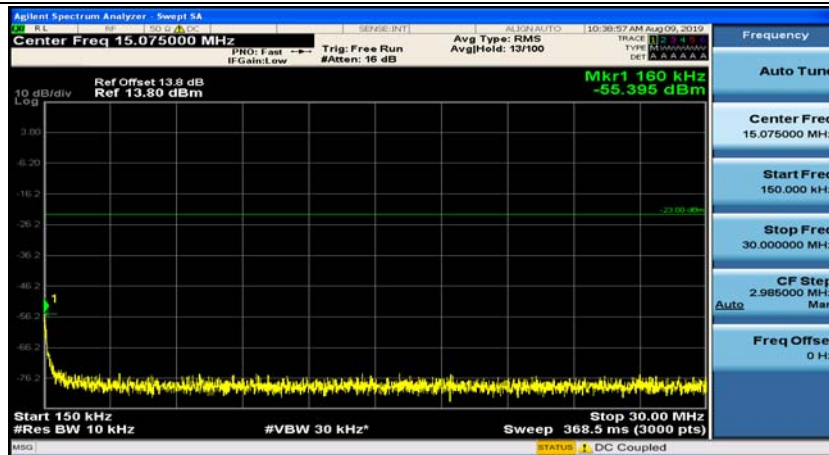
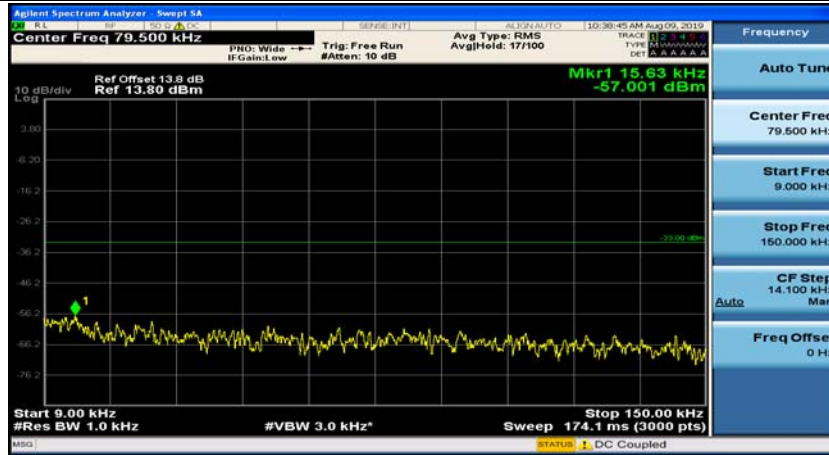


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



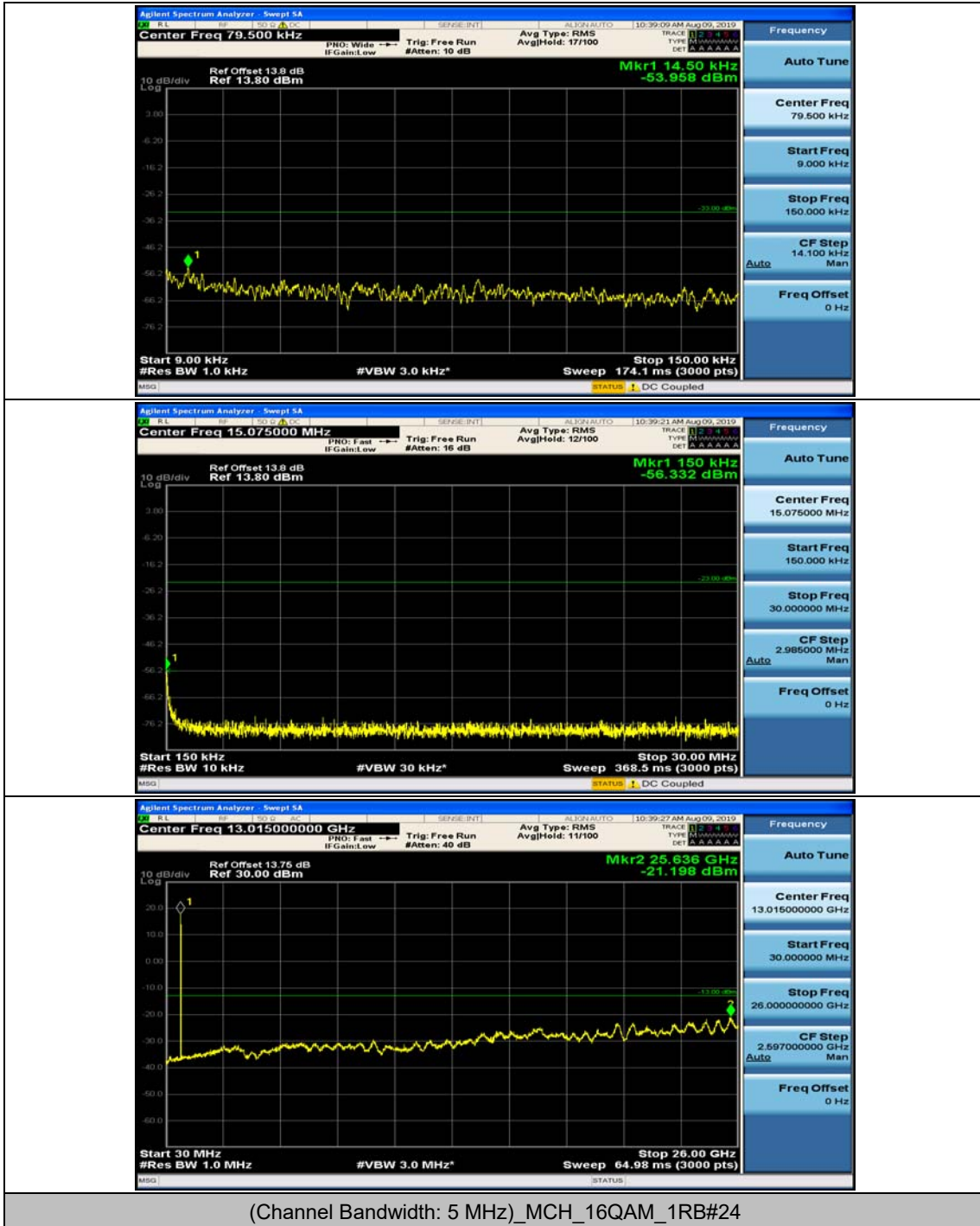


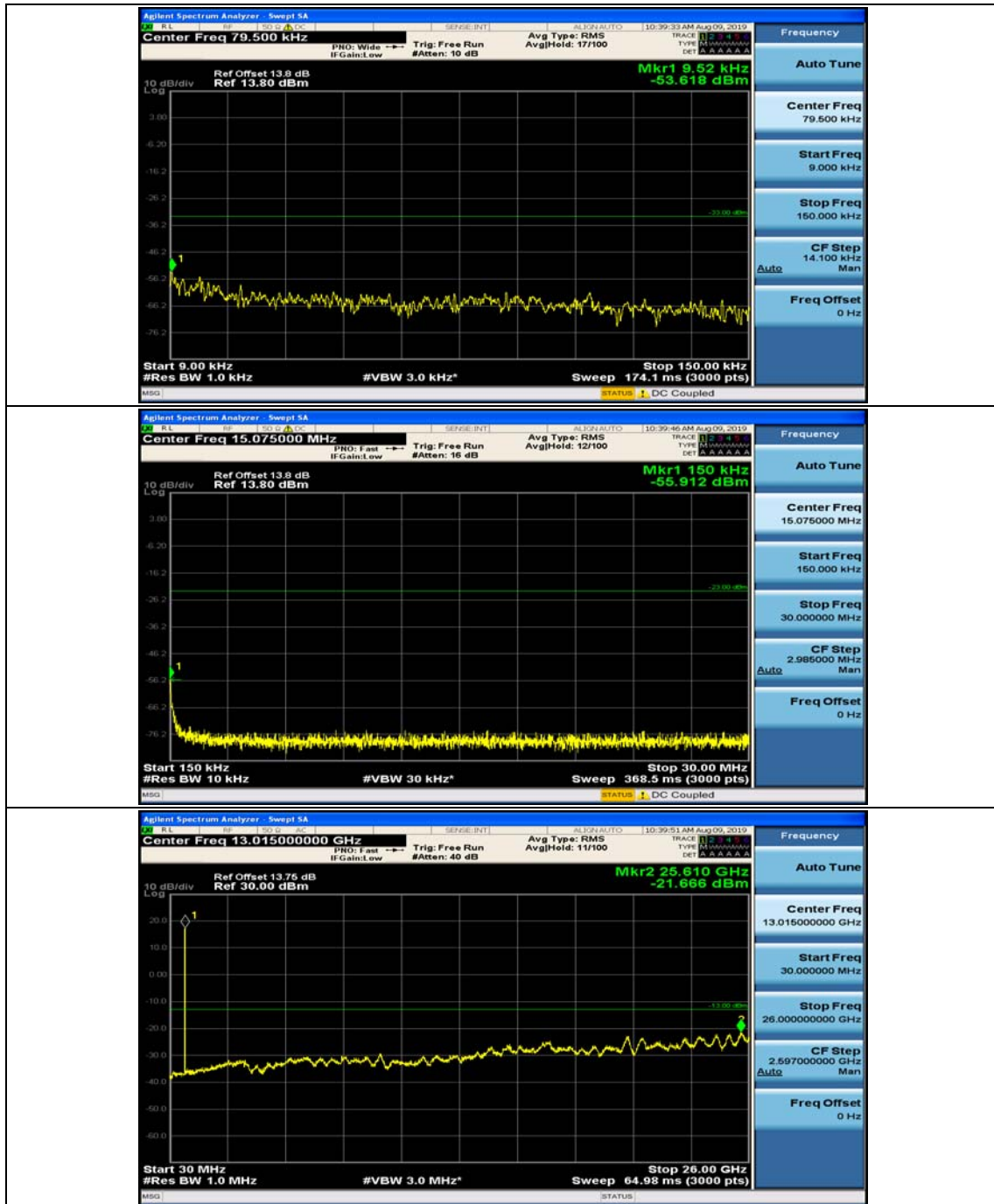
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0



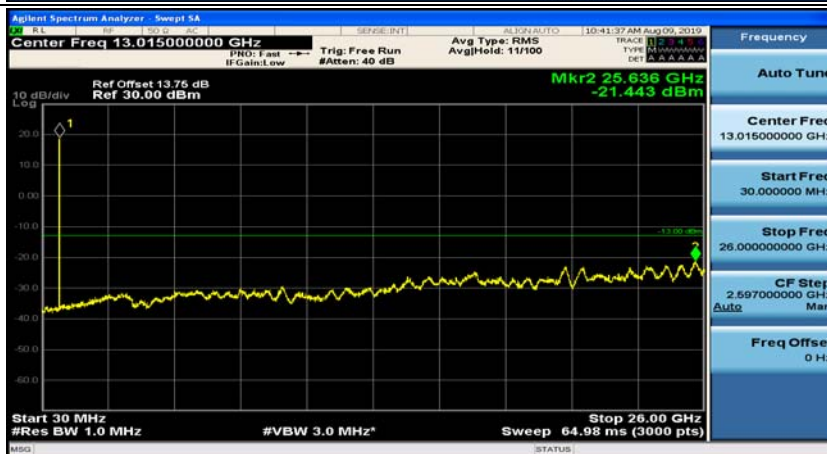
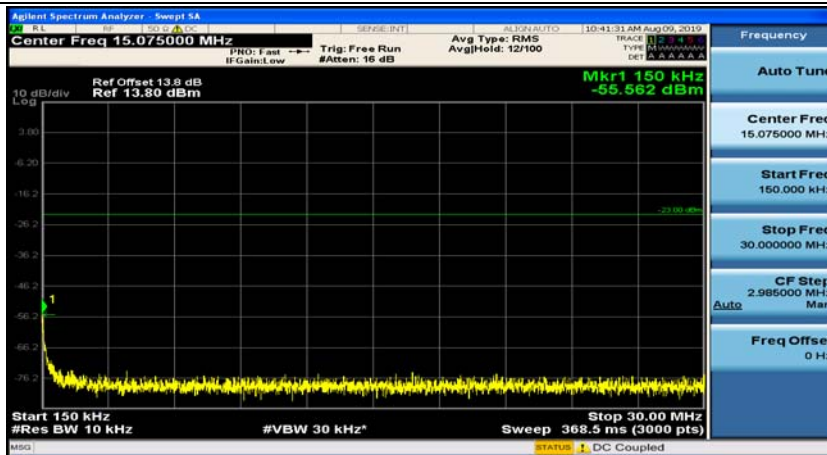
(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12



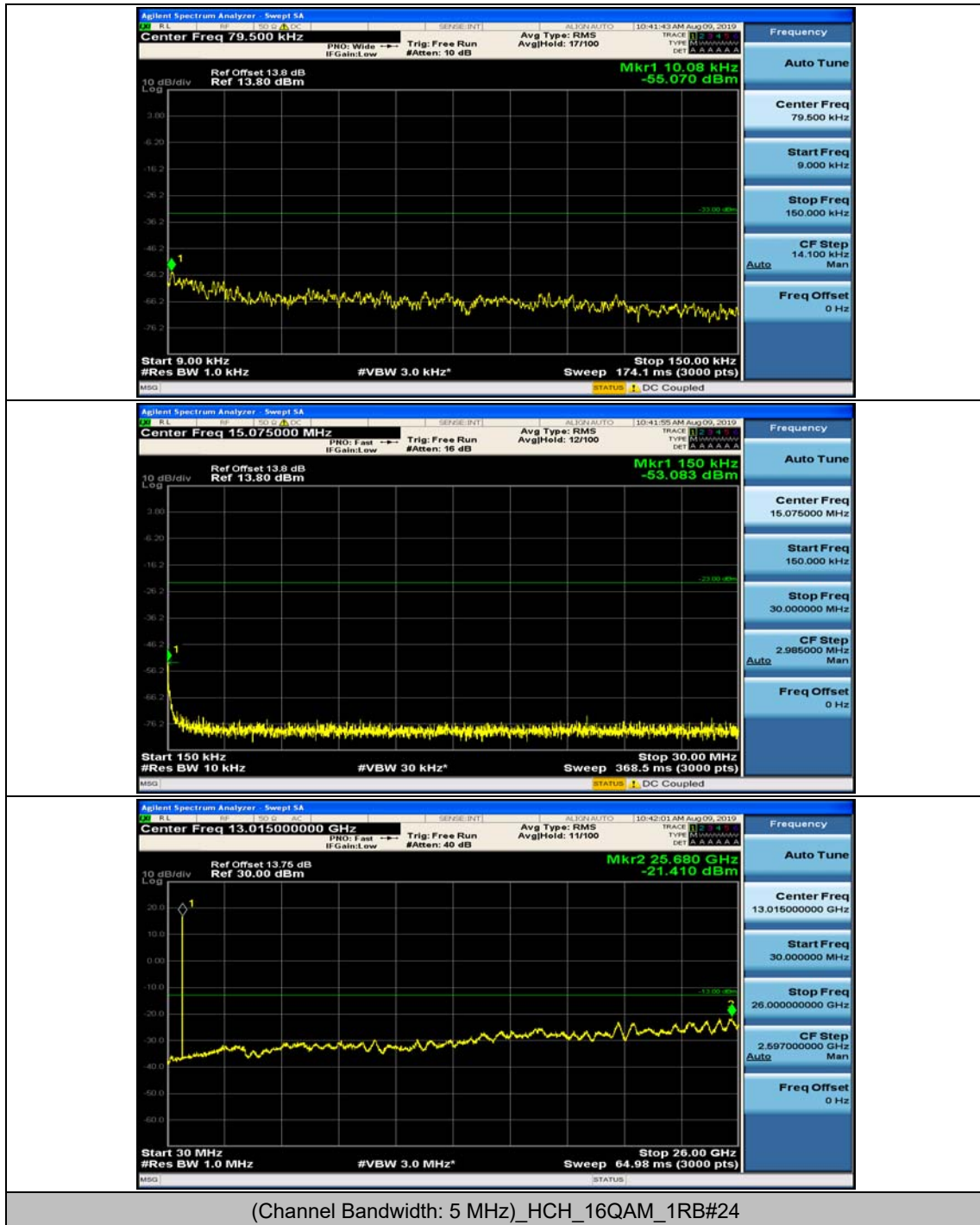


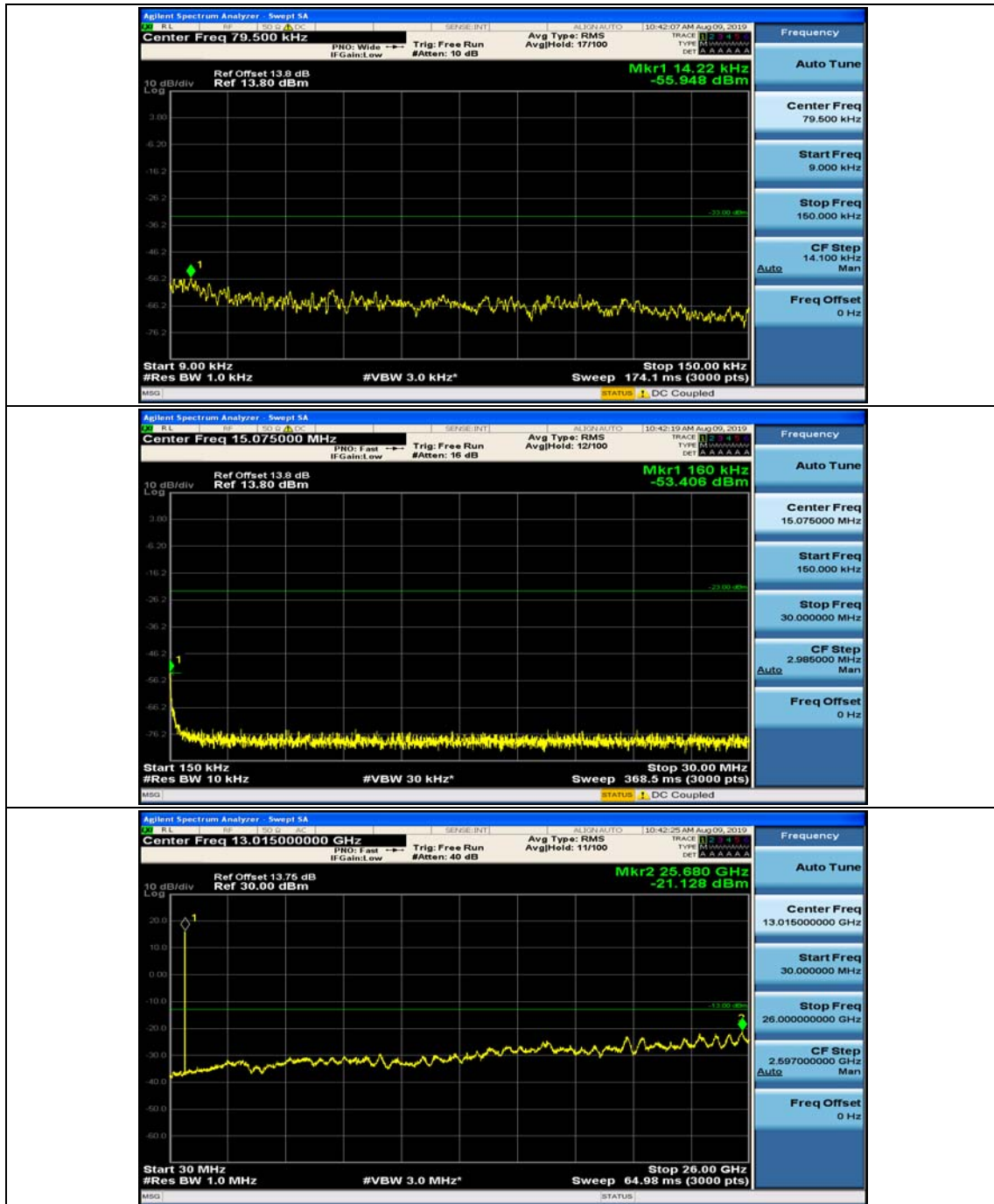


(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0



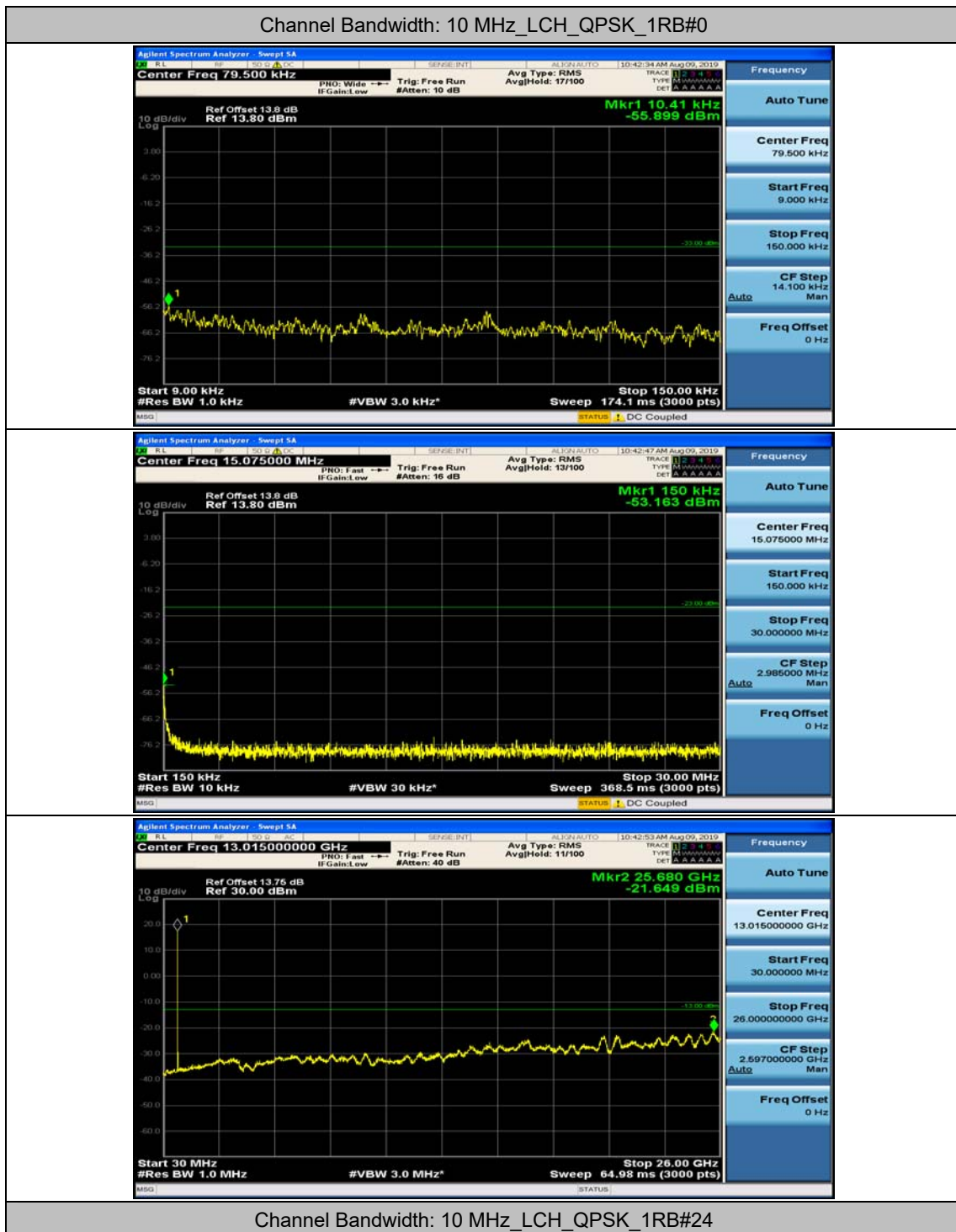
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12

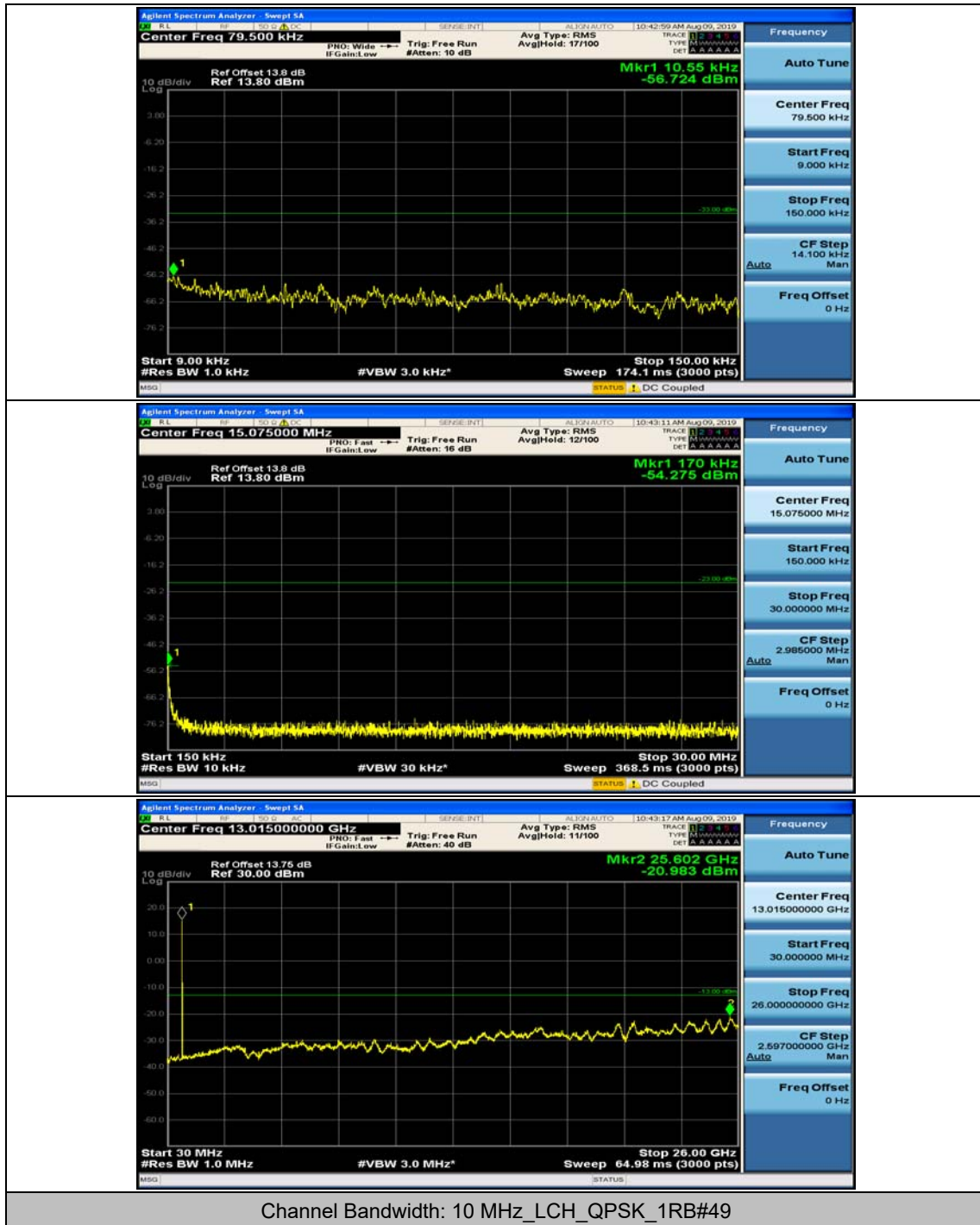


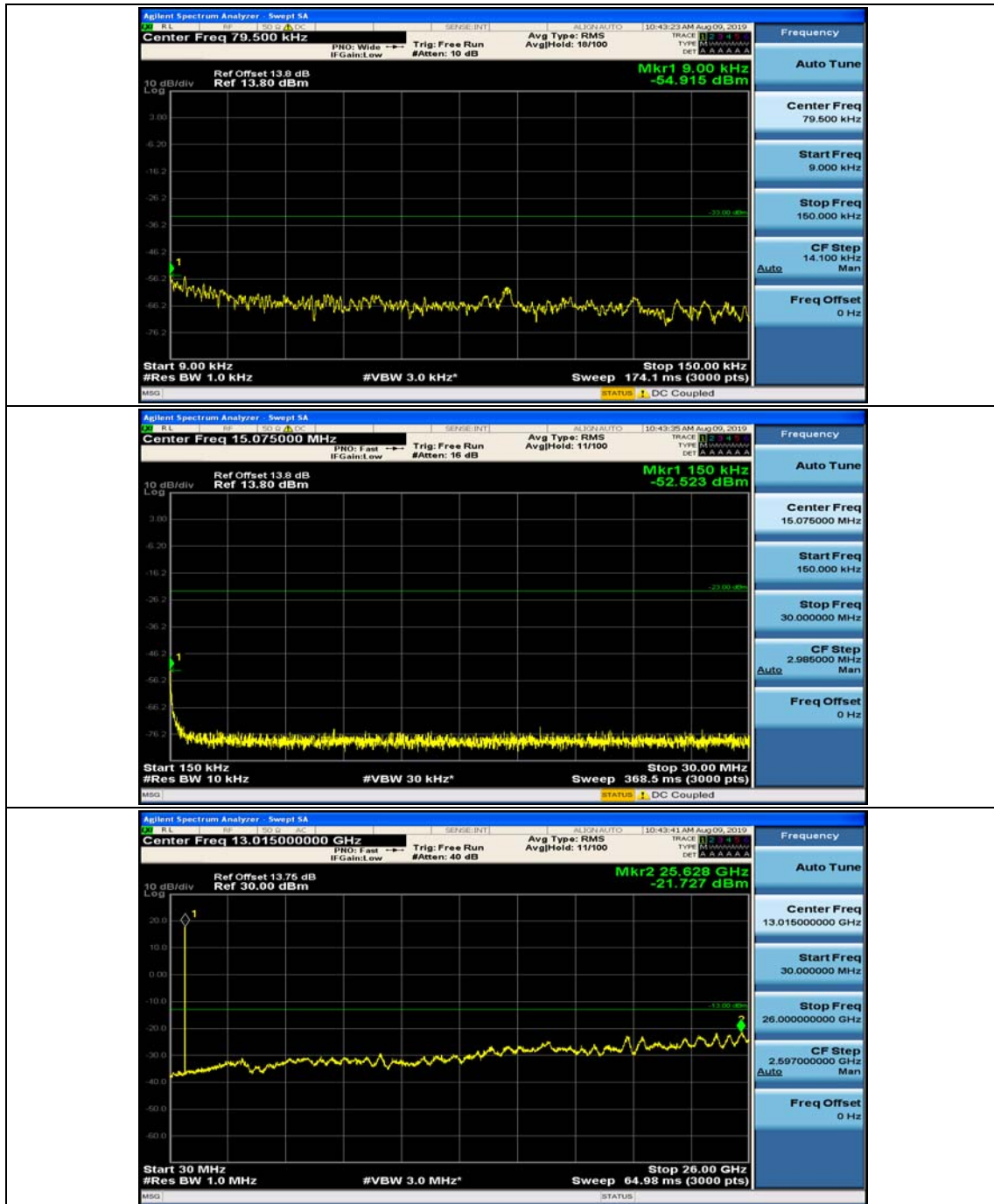




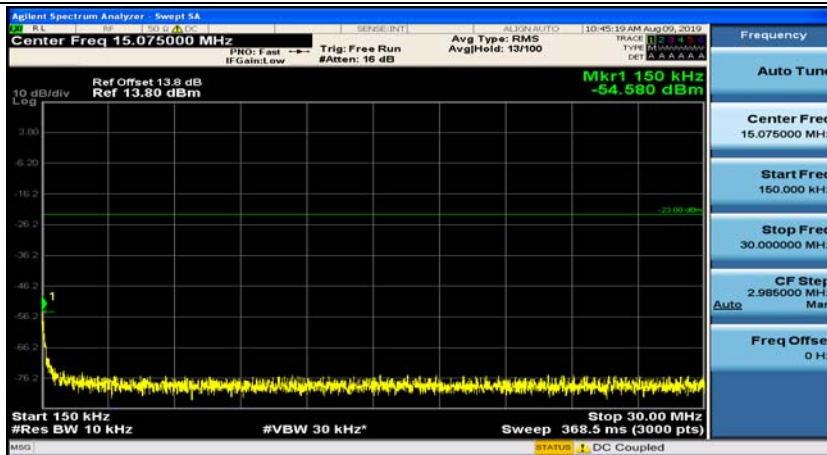
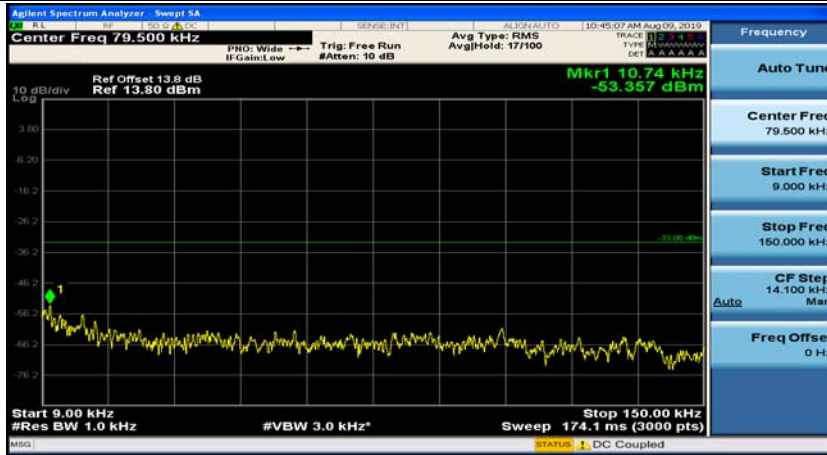
### Channel Bandwidth: 10 MHz



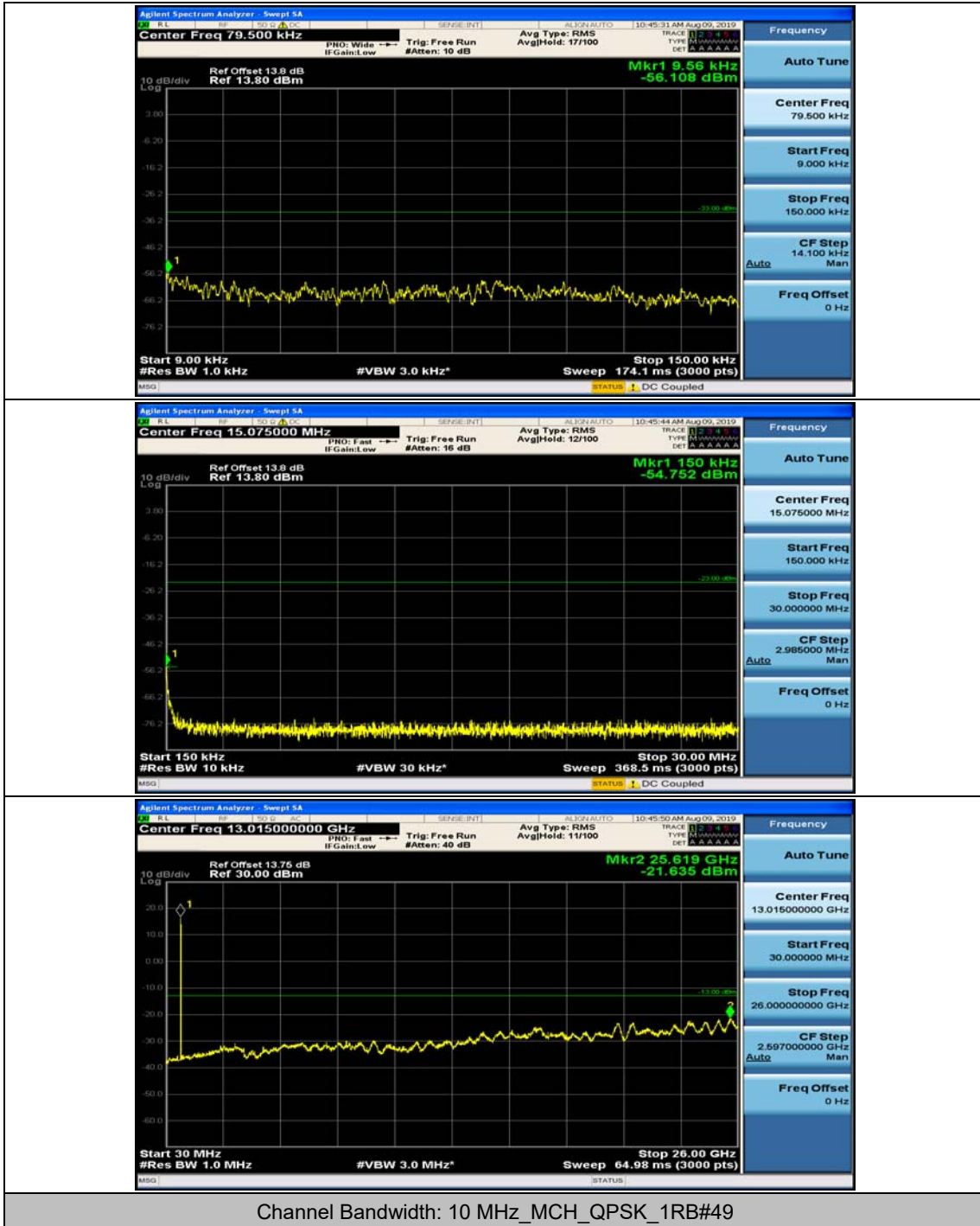




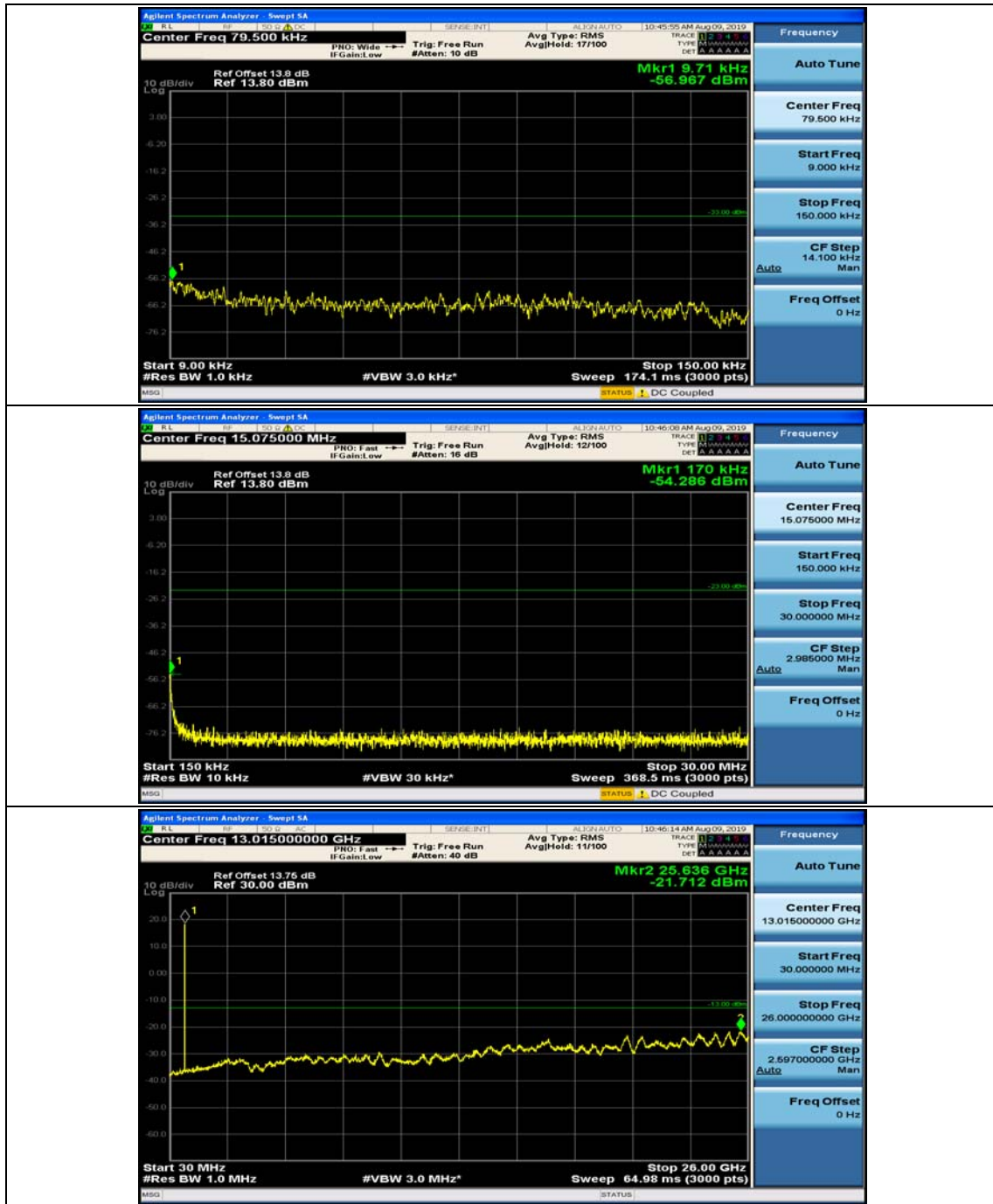
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#0



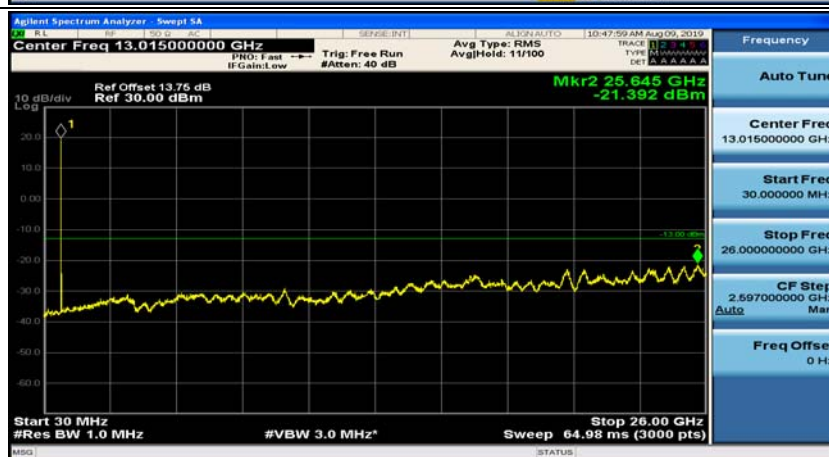
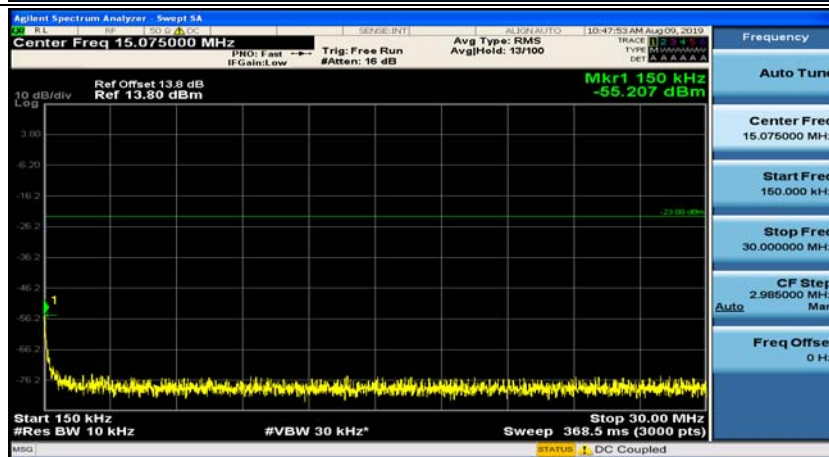
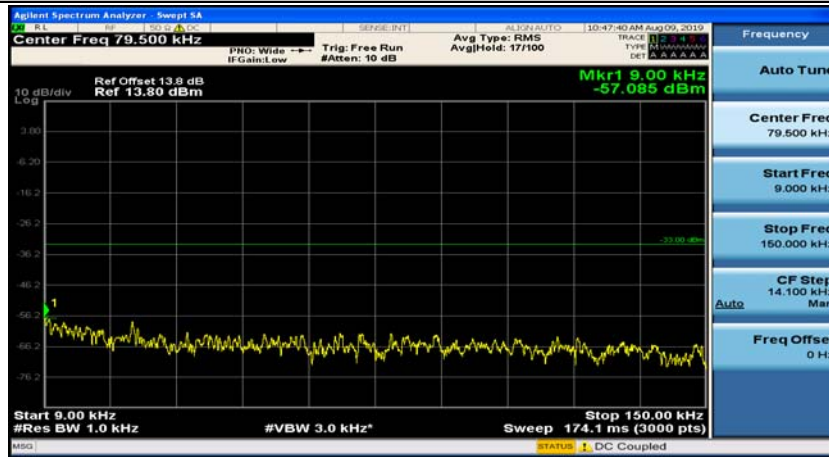
Channel Bandwidth: 10 MHz\_MCH\_QPSK\_1RB#24



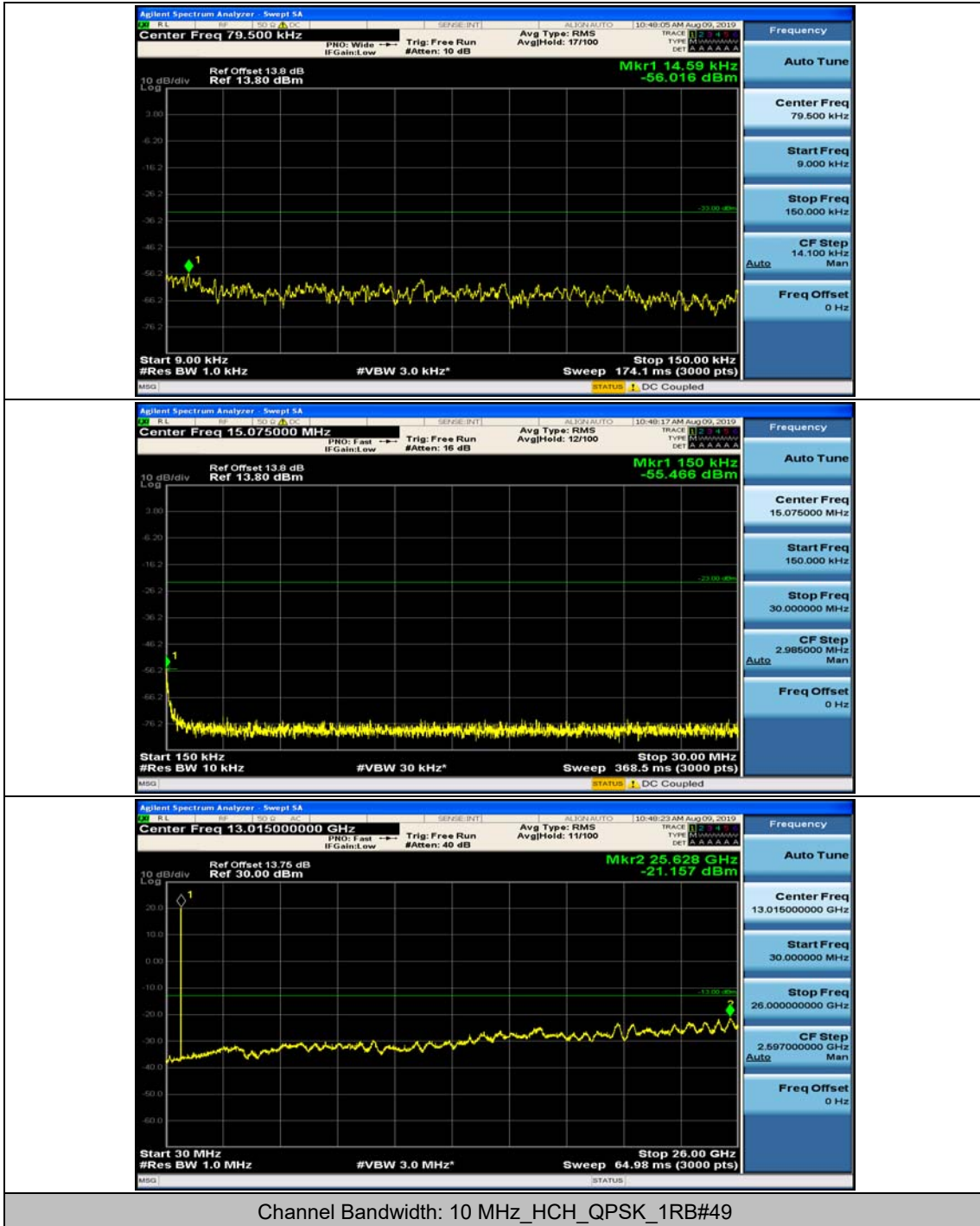


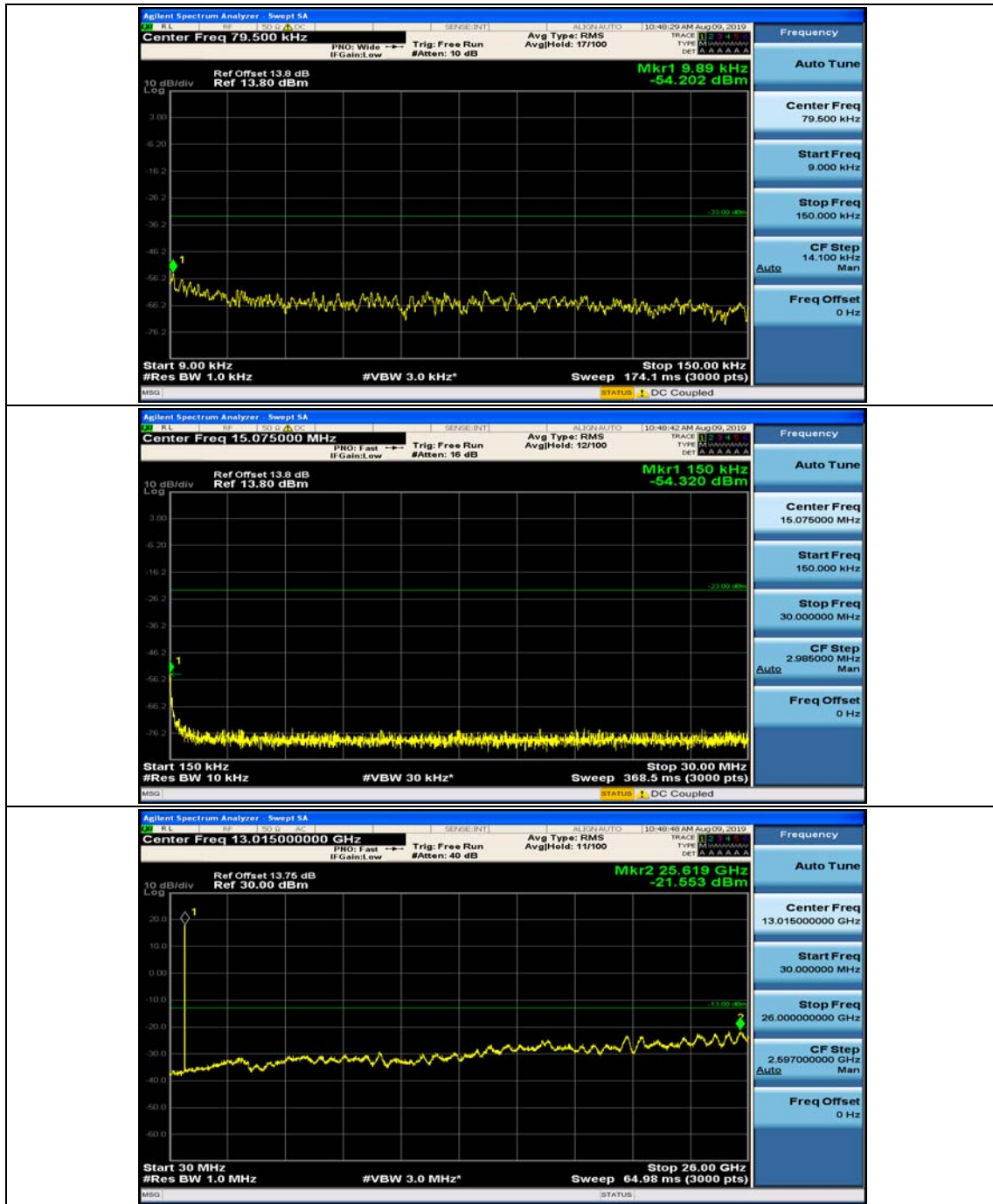


Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#0

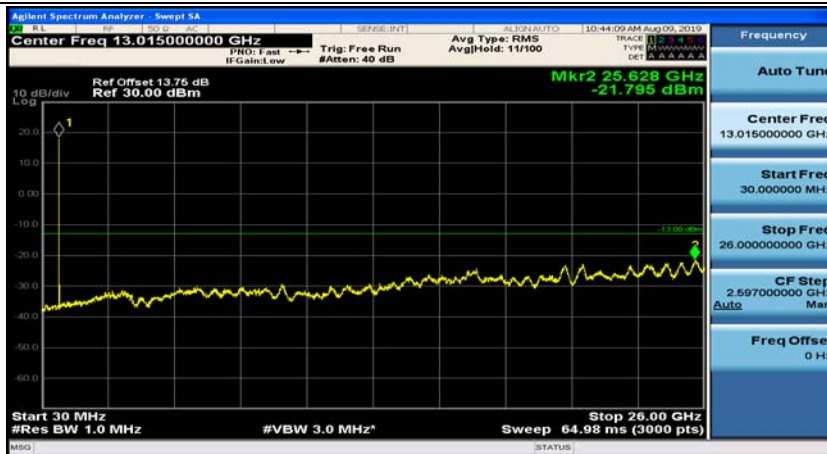
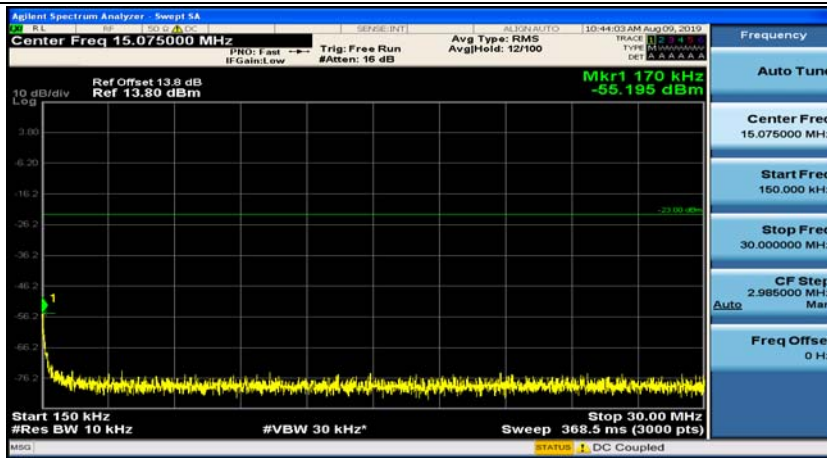
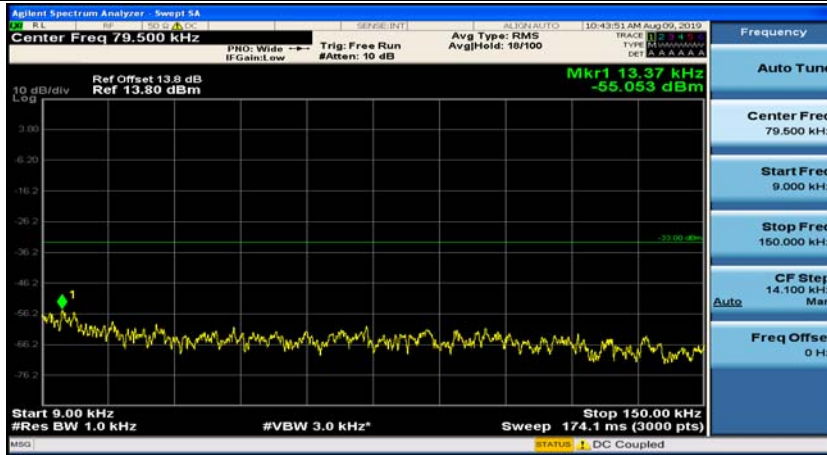


Channel Bandwidth: 10 MHz\_HCH\_QPSK\_1RB#24



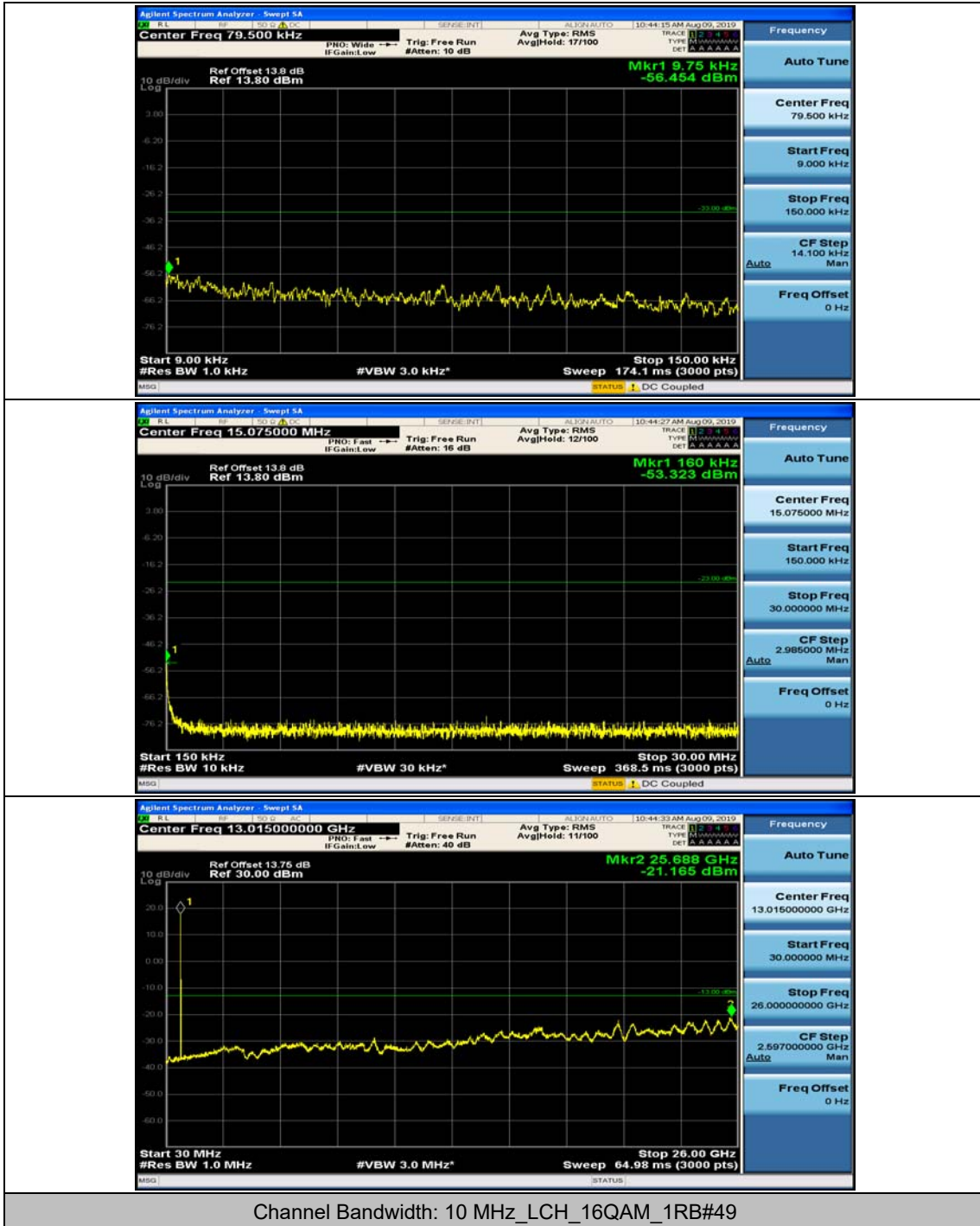


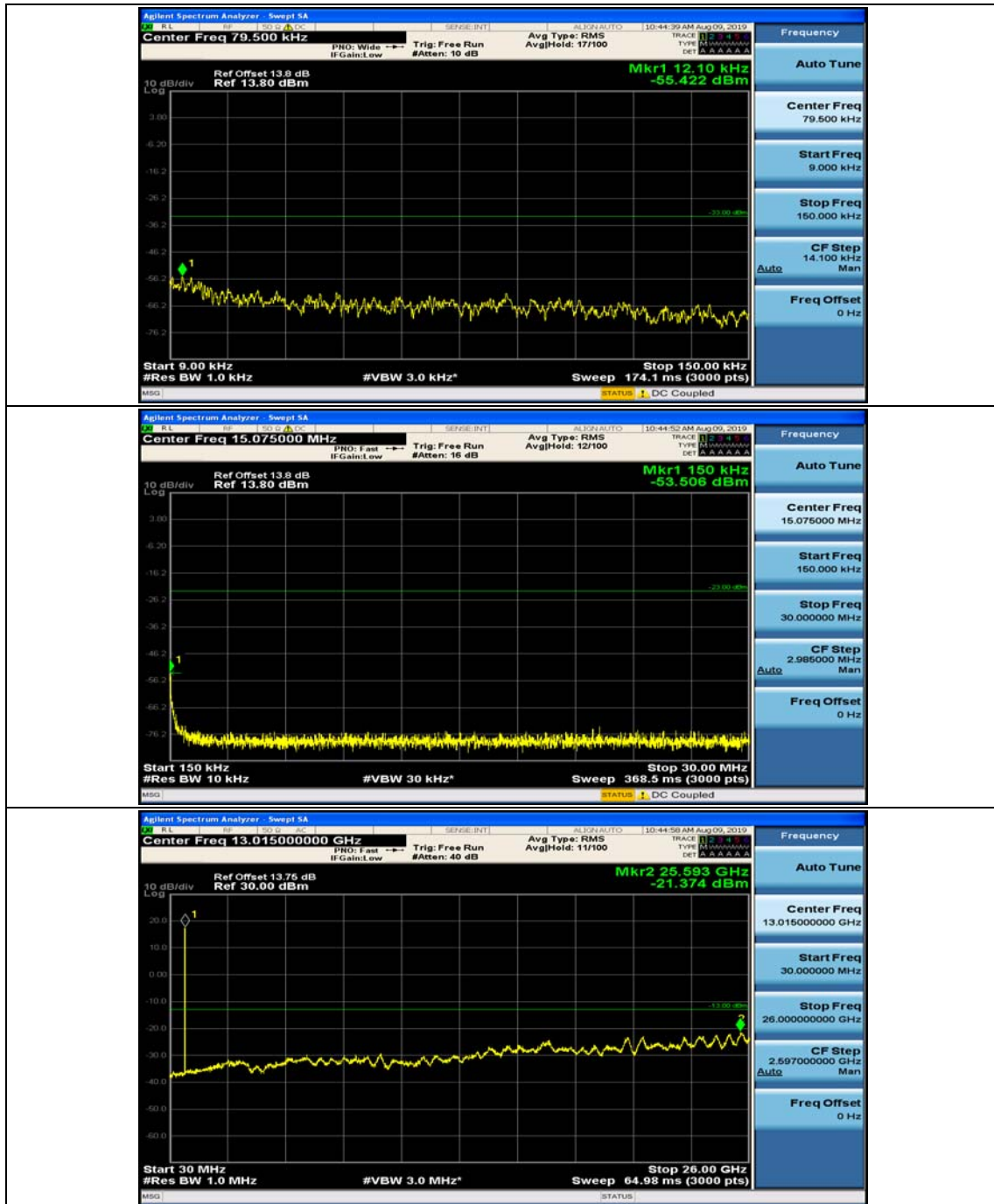
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#0



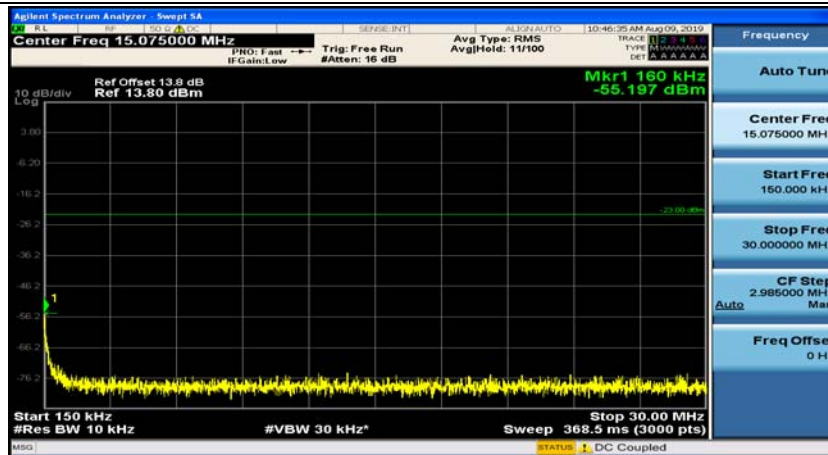
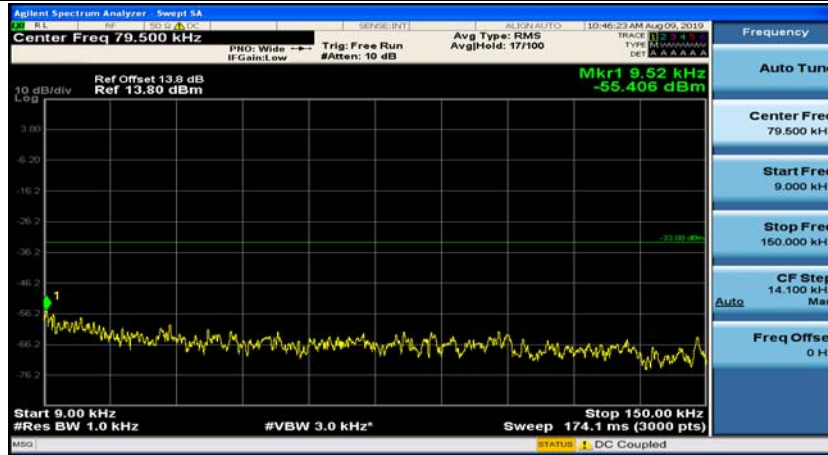
Channel Bandwidth: 10 MHz\_LCH\_16QAM\_1RB#24



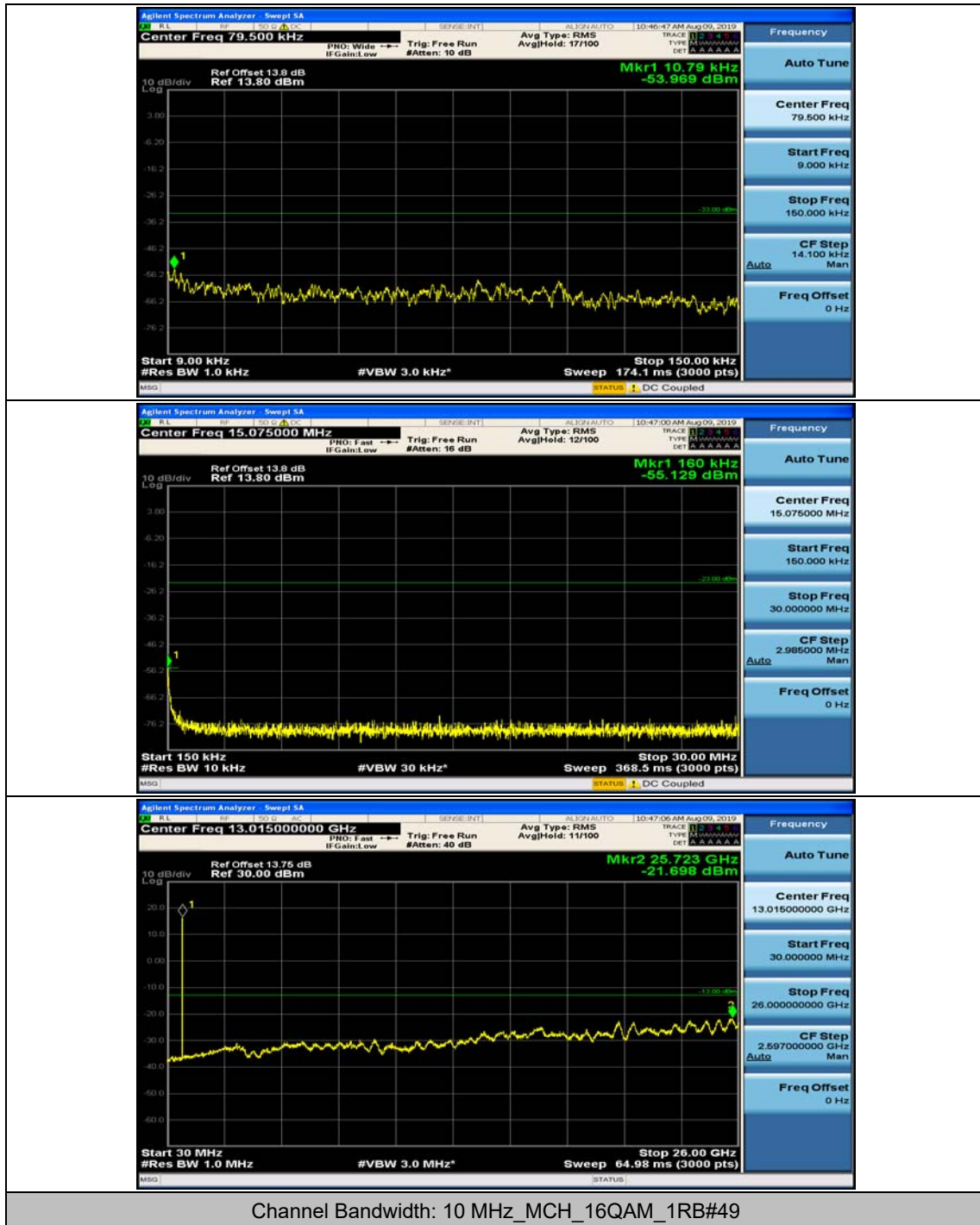


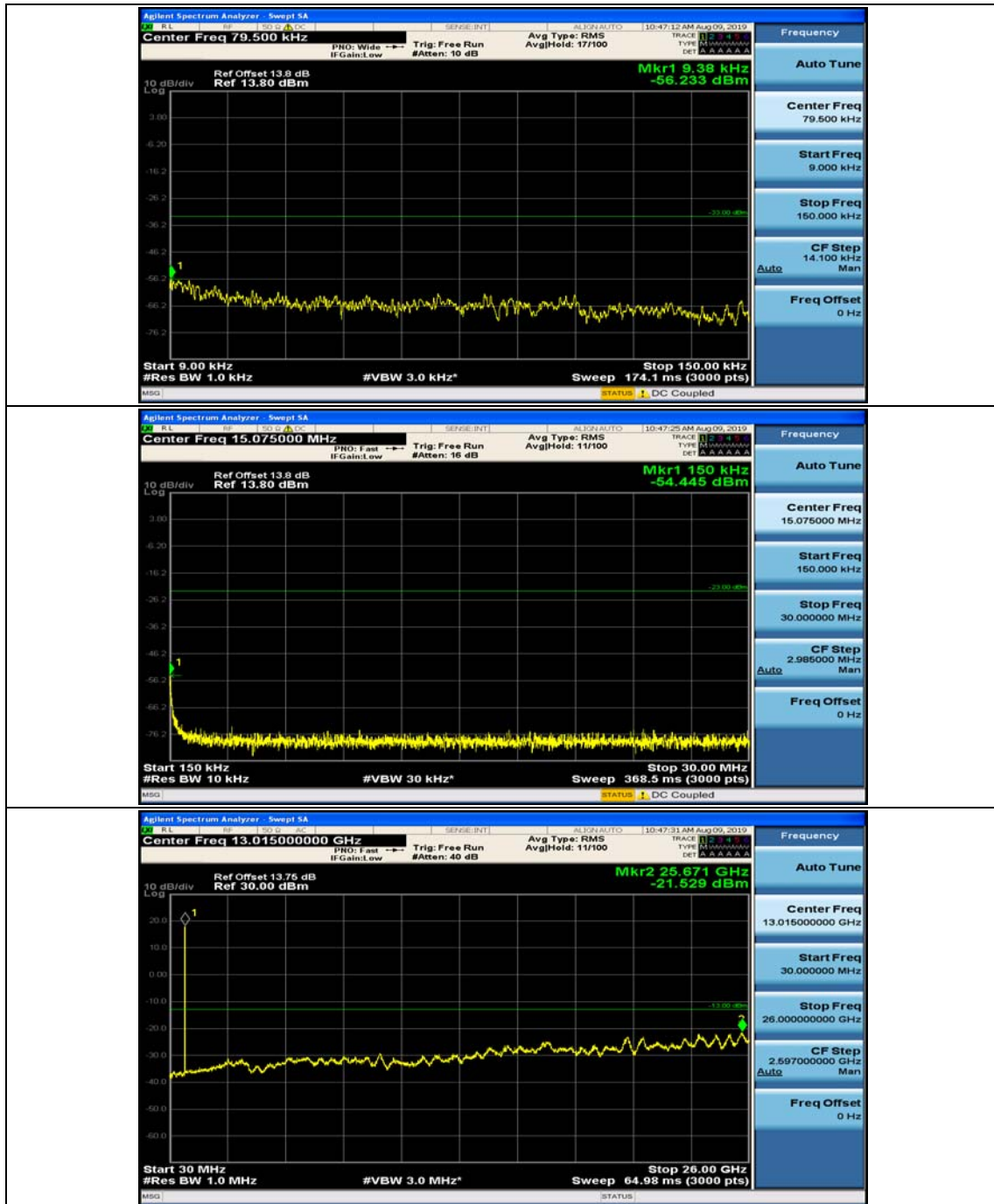


Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



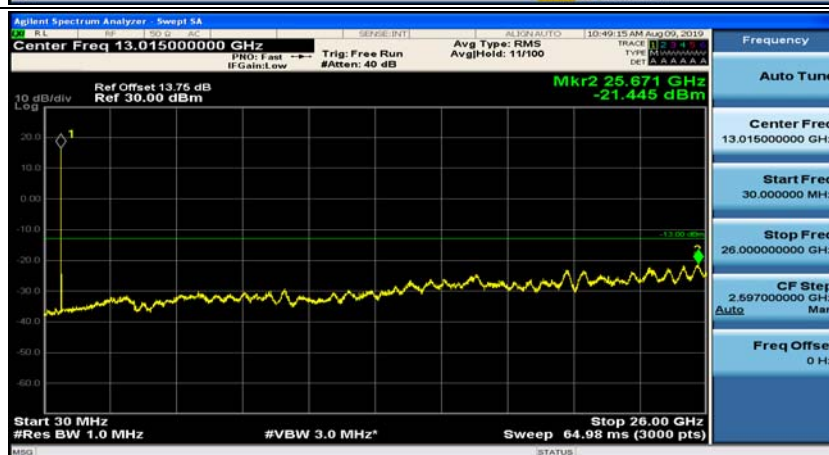
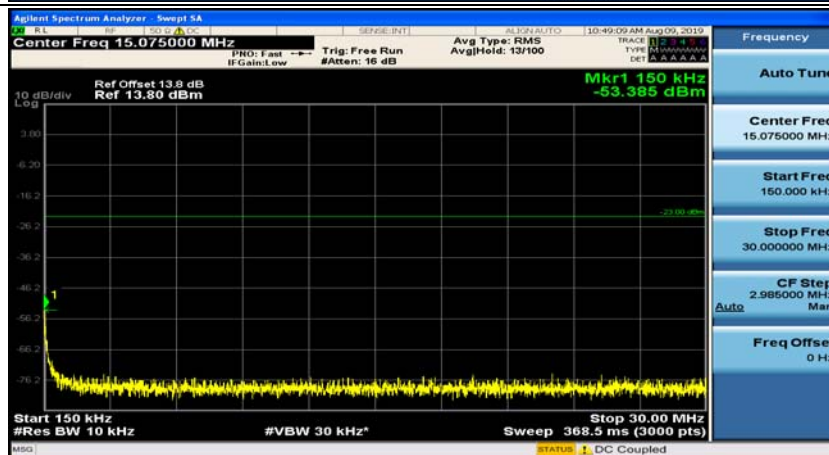
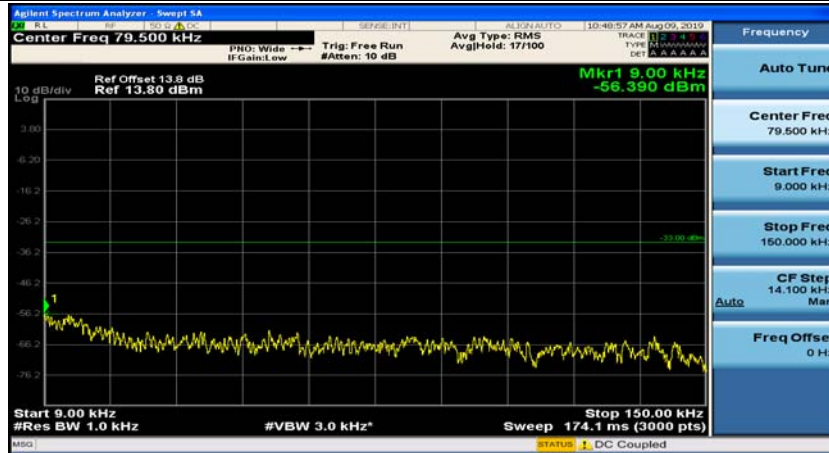
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#24



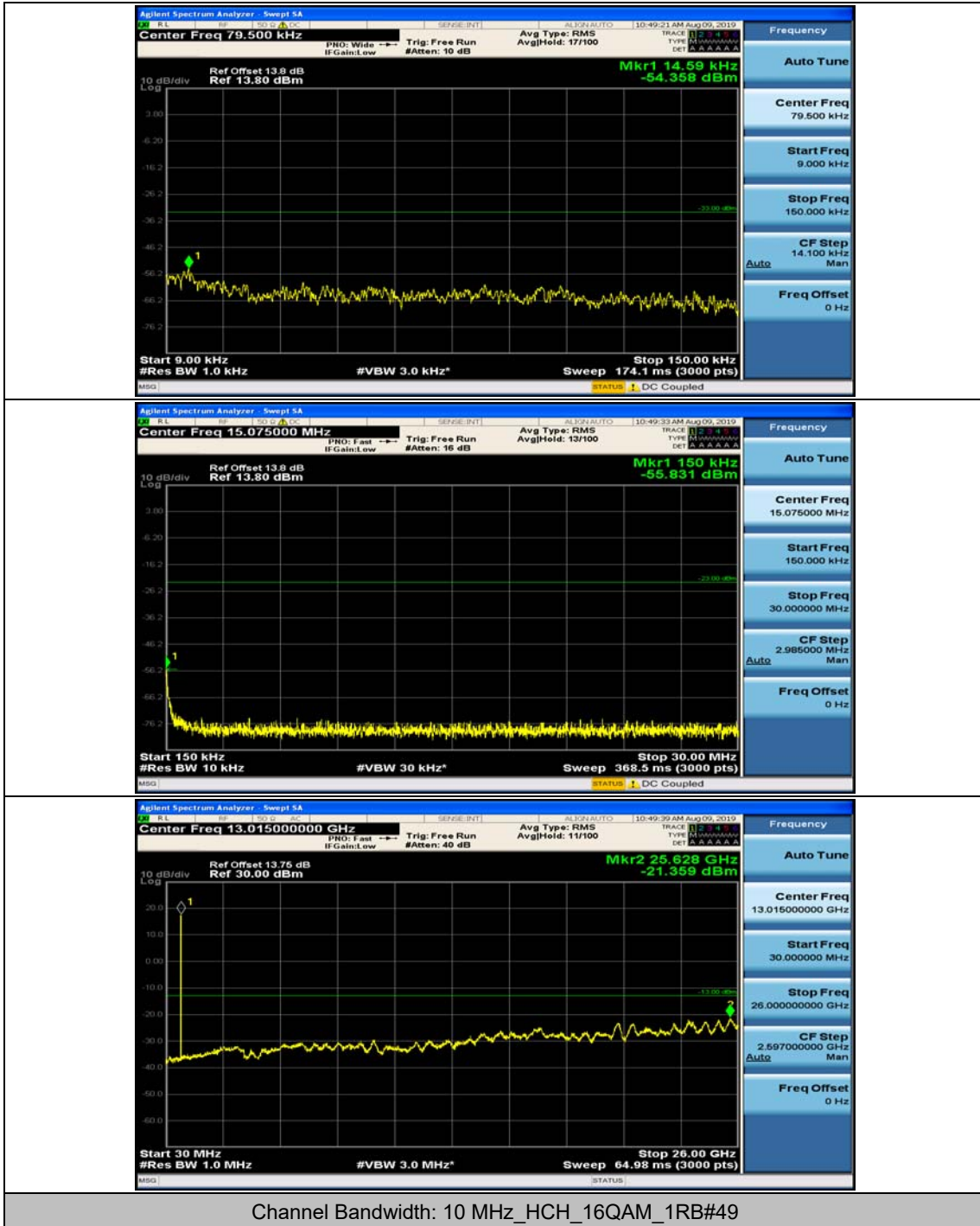


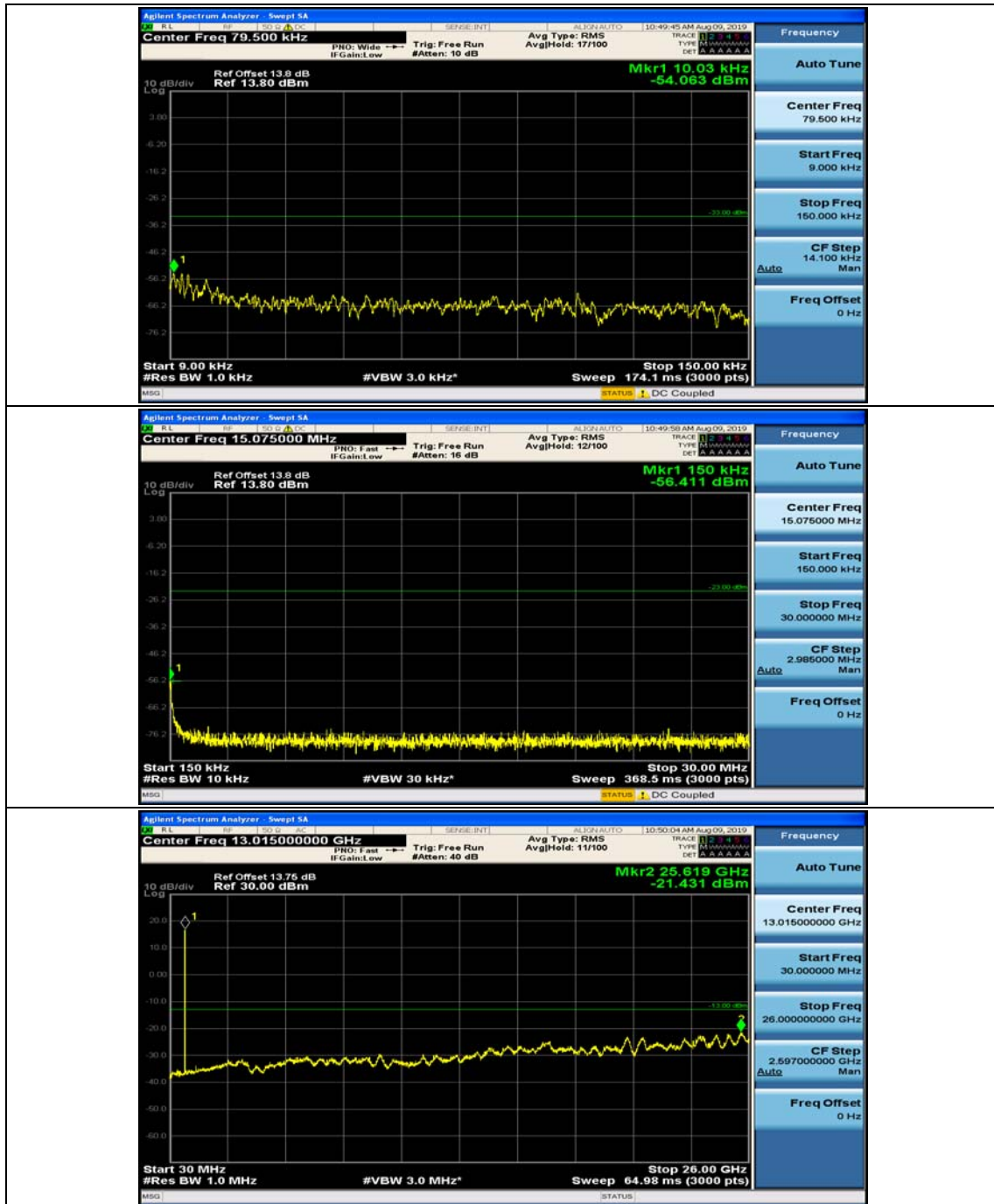


Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#0



Channel Bandwidth: 10 MHz\_HCH\_16QAM\_1RB#24





## Appendix F: Frequency Stability

### Test Result

#### Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.38	0.001953	± 2.5	PASS
		VN	TN	3.76	0.005322	± 2.5	PASS
		VH	TN	1.69	0.002392	± 2.5	PASS
	MCH	VL	TN	-1.45	-0.002042	± 2.5	PASS
		VN	TN	4.76	0.006704	± 2.5	PASS
		VH	TN	-1.27	-0.001789	± 2.5	PASS
	HCH	VL	TN	3.29	0.004611	± 2.5	PASS
		VN	TN	4.41	0.006181	± 2.5	PASS
		VH	TN	-1.34	-0.001878	± 2.5	PASS
16QAM	LCH	VL	TN	4.57	0.006469	± 2.5	PASS
		VN	TN	2.46	0.003482	± 2.5	PASS
		VH	TN	-1.84	-0.002604	± 2.5	PASS
	MCH	VL	TN	-0.72	-0.001014	± 2.5	PASS
		VN	TN	3.58	0.005042	± 2.5	PASS
		VH	TN	4.18	0.005887	± 2.5	PASS
	HCH	VL	TN	0.5	0.000701	± 2.5	PASS
		VN	TN	1.61	0.002256	± 2.5	PASS
		VH	TN	-0.92	-0.001289	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.99	0.007063	± 2.5	PASS
		VN	-20	0.93	0.001316	± 2.5	PASS
		VN	-10	-0.57	-0.000807	± 2.5	PASS
		VN	0	-1.56	-0.002208	± 2.5	PASS
		VN	10	1.61	0.002279	± 2.5	PASS
		VN	20	-1.43	-0.002024	± 2.5	PASS
		VN	30	2.7	0.003822	± 2.5	PASS
		VN	40	-1.63	-0.002307	± 2.5	PASS
		VN	50	1.55	0.002194	± 2.5	PASS
	MCH	VN	-30	0.07	0.000099	± 2.5	PASS
		VN	-20	4.14	0.005831	± 2.5	PASS

		VN	-10	2.11	0.002972	± 2.5	PASS	
		VN	0	4.44	0.006254	± 2.5	PASS	
		VN	10	1.32	0.001859	± 2.5	PASS	
		VN	20	3.41	0.004803	± 2.5	PASS	
		VN	30	4.94	0.006958	± 2.5	PASS	
		VN	40	2.67	0.003761	± 2.5	PASS	
		VN	50	2.4	0.003380	± 2.5	PASS	
	HCH	VN	-30	0.72	0.001009	± 2.5	PASS	
		VN	-20	3.69	0.005172	± 2.5	PASS	
		VN	-10	4.89	0.006854	± 2.5	PASS	
		VN	0	1.84	0.002579	± 2.5	PASS	
		VN	10	2.63	0.003686	± 2.5	PASS	
		VN	20	1.44	0.002018	± 2.5	PASS	
		VN	30	-0.07	-0.000098	± 2.5	PASS	
	16QAM	LCH	VN	40	-1.69	-0.002369	± 2.5	PASS
			VN	50	1.39	0.001948	± 2.5	PASS
			VN	-30	2.77	0.003921	± 2.5	PASS
			VN	-20	-0.18	-0.000255	± 2.5	PASS
VN			-10	2.74	0.003878	± 2.5	PASS	
VN			0	-0.72	-0.001019	± 2.5	PASS	
VN			10	3.01	0.004260	± 2.5	PASS	
VN			20	-0.72	-0.001019	± 2.5	PASS	
VN			30	4.24	0.006001	± 2.5	PASS	
MCH		VN	40	4.69	0.006638	± 2.5	PASS	
		VN	50	2.68	0.003793	± 2.5	PASS	
		VN	-30	2.96	0.004149	± 2.5	PASS	
		VN	-20	3.27	0.004583	± 2.5	PASS	
		VN	-10	3.88	0.005438	± 2.5	PASS	
		VN	0	0.67	0.000939	± 2.5	PASS	
		VN	10	0.7	0.000981	± 2.5	PASS	
		VN	20	3.36	0.004709	± 2.5	PASS	
		VN	30	-0.35	-0.000491	± 2.5	PASS	
HCH	VN	40	1.95	0.002733	± 2.5	PASS		
	VN	50	-1.89	-0.002649	± 2.5	PASS		
	VN	-30	1.1	0.001542	± 2.5	PASS		
	VN	-20	-0.64	-0.000897	± 2.5	PASS		
	VN	-10	1.85	0.002593	± 2.5	PASS		
	VN	0	1.55	0.002172	± 2.5	PASS		
	VN	10	4.75	0.006657	± 2.5	PASS		
	VN	20	0.25	0.000350	± 2.5	PASS		
	VN	30	0.81	0.001135	± 2.5	PASS		



		VN	40	-1.21	-0.001696	± 2.5	PASS
		VN	50	-0.04	-0.000056	± 2.5	PASS

**Channel Bandwidth: 10 MHz**

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.17	0.005882	± 2.5	PASS
		VN	TN	4.09	0.005769	± 2.5	PASS
		VH	TN	4.31	0.006079	± 2.5	PASS
	MCH	VL	TN	1.22	0.001718	± 2.5	PASS
		VN	TN	-0.49	-0.000690	± 2.5	PASS
		VH	TN	-1.98	-0.002789	± 2.5	PASS
	HCH	VL	TN	4.6	0.006470	± 2.5	PASS
		VN	TN	1.4	0.001969	± 2.5	PASS
		VH	TN	-1.21	-0.001702	± 2.5	PASS
16QAM	LCH	VL	TN	0.5	0.000705	± 2.5	PASS
		VN	TN	4.76	0.006714	± 2.5	PASS
		VH	TN	-0.46	-0.000649	± 2.5	PASS
	MCH	VL	TN	4.53	0.006380	± 2.5	PASS
		VN	TN	3.14	0.004423	± 2.5	PASS
		VH	TN	-0.75	-0.001056	± 2.5	PASS
	HCH	VL	TN	0.48	0.000675	± 2.5	PASS
		VN	TN	1.8	0.002532	± 2.5	PASS
		VH	TN	-1.05	-0.001477	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	1.69	0.002384	± 2.5	PASS
		VN	-20	3.41	0.004810	± 2.5	PASS
		VN	-10	3.93	0.005543	± 2.5	PASS
		VN	0	4.99	0.007038	± 2.5	PASS
		VN	10	-1.76	-0.002482	± 2.5	PASS
		VN	20	0.68	0.000959	± 2.5	PASS
		VN	30	-0.72	-0.001016	± 2.5	PASS
		VN	40	-0.77	-0.001086	± 2.5	PASS
		VN	50	2.06	0.002906	± 2.5	PASS
	MCH	VN	-30	-1.19	-0.001676	± 2.5	PASS
		VN	-20	0.48	0.000676	± 2.5	PASS
		VN	-10	3.43	0.004831	± 2.5	PASS

		VN	0	4.63	0.006521	± 2.5	PASS		
		VN	10	0.85	0.001197	± 2.5	PASS		
		VN	20	1.98	0.002789	± 2.5	PASS		
		VN	30	2.95	0.004155	± 2.5	PASS		
		VN	40	4.63	0.006521	± 2.5	PASS		
		VN	50	-0.19	-0.000268	± 2.5	PASS		
	HCH	VN	-30	-0.26	-0.000366	± 2.5	PASS		
		VN	-20	3.61	0.005077	± 2.5	PASS		
		VN	-10	3.09	0.004346	± 2.5	PASS		
		VN	0	2.66	0.003741	± 2.5	PASS		
		VN	10	-1.04	-0.001463	± 2.5	PASS		
		VN	20	2.11	0.002968	± 2.5	PASS		
		VN	30	1.73	0.002433	± 2.5	PASS		
		VN	40	3.93	0.005527	± 2.5	PASS		
		VN	50	4.9	0.006892	± 2.5	PASS		
		QPSK	LCH	VN	-30	0.99	0.001394	± 2.5	PASS
				VN	-20	-0.51	-0.000718	± 2.5	PASS
				VN	-10	1.88	0.002648	± 2.5	PASS
VN	0			4.3	0.006056	± 2.5	PASS		
VN	10			-2	-0.002817	± 2.5	PASS		
VN	20			4.47	0.006296	± 2.5	PASS		
VN	30			0.23	0.000324	± 2.5	PASS		
VN	40			0.32	0.000451	± 2.5	PASS		
VN	50			4.04	0.005690	± 2.5	PASS		
MCH	VN		-30	0.26	0.000366	± 2.5	PASS		
	VN		-20	4.17	0.005865	± 2.5	PASS		
	VN		-10	0.53	0.000745	± 2.5	PASS		
	VN		0	4.9	0.006892	± 2.5	PASS		
	VN		10	3.77	0.005302	± 2.5	PASS		
	VN		20	0.84	0.001181	± 2.5	PASS		
	VN		30	2.4	0.003376	± 2.5	PASS		
	VN		40	-1.01	-0.001421	± 2.5	PASS		
	VN		50	0.67	0.000942	± 2.5	PASS		
HCH	VN		-30	3.32	0.004669	± 2.5	PASS		
	VN		-20	3.04	0.004276	± 2.5	PASS		
	VN		-10	4.52	0.006357	± 2.5	PASS		
	VN		0	-1.77	-0.002489	± 2.5	PASS		
	VN		10	-1.36	-0.001913	± 2.5	PASS		
	VN		20	3.49	0.004909	± 2.5	PASS		
	VN		30	4.21	0.005921	± 2.5	PASS		
	VN		40	1.93	0.002714	± 2.5	PASS		

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		VN	50	-0.4	-0.000563	± 2.5	PASS
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